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25th Congress, 3d Session. | Doc. No. 80. | Ho. of Rep's.

PATENT OFFICE.

REPORT

FROM

THE COMMISSIONER OF PATENTS,

TRANSMITTING

Information in relation to the Duties of his Office for the year 1838.

JANUARY 14, 1839.
Read, and laid upon the table.

PATENT OFFICE, *January* 1, 1839.

SIR: In obedience to law, the Commissioner of Patents has the honor to submit his annual report.

During the year 1838, five hundred and twenty patents have been issued, of which classified and alphabetical lists are annexed; (marked A and B.)

During the same period, two hundred and twenty-four patents have expired; as by list (marked C.)

The receipts of office for 1838 amount to $42,123 54; from which may be deducted $3,700 paid on applications withdrawn; (marked D.)

For the restoration of models, records, and drawings, under the "act of 1837," $14,458 74 have been expended; a detailed statement of which is annexed, (marked F.)

The ordinary expenses of the Patent Office, the past year, were $19,180 18; leaving a surplus of $19,243 36 to be credited to the patent fund, (marked E.)

The number of patents issued in 1838 exceeds that of 1837; and the increasing confidence in the patent law will doubtless continue an increasing stimulus to genius and science in their application to practical and useful objects; advancing alike the interest of agriculture, of commerce, and the arts.

The provisions of the act of Congress by which the Patent Office has been reorganized, have been noticed, with high commendation, in many scientific publications in Europe; and, I am happy to say, have, in their practical operation, met with very great favor among those of our citizens whose rights and interests are directly or indirectly affected thereby. Wise and beneficial as the operation of the law is, generally, there are one or two particulars in which experience suggests the propriety, if not necessity, of some modification.

Thomas Allen, print.

The board of examiners, occasionally appointed in cases of appeals, is attended with inconveniences, not foreseen, which ought, if possible, to be corrected.

This tribunal was provided, it is presumed, to relieve the apprehensions some might have entertained, from the power necessarily conferred, and the duty imposed upon the Commissioner, to withhold a patent in every case where the claim is destitute of merit or originality. Contrary, perhaps, to the intention of the framers of the law, it has been construed to open the whole matter, on appeal, to the reception of additional evidence, leading to much delay and expensive litigation before the board.

The compensation provided for this board of examiners appears to have been predicated upon the idea of a brief and summary duty, and is so small that few of requisite qualifications are found who will consent to undertake it.

Hence much delay arises in constituting a board, whenever an appeal is made; and different individuals being appointed in different cases, their rules and course of proceeding are various and unsettled. The examination into the originality of an invention, or supposed discovery, preliminary to the issuing of a patent, and the settling of interfering claims to patents, must necessarily be, in some measure, summary. But the decision between contesting parties is, in all cases, subject to judicial corrections; and a final adjudication is, by law, as it ought to be, referred to the courts.

It is submitted whether the Commissioner could not be authorized to prescribe, with advantage, the necessary rules for the taking of testimony to be used in the hearing before him; and to make suitable regulations for a full and fair hearing of all parties interested.

As a remedy for the evils alluded to, (of which parties complain,) I beg leave to suggest, as a substitute for the board of examiners, the expediency of allowing an appeal to the chief justice of this District, giving him power to examine and determine the matter summarily at chambers, or otherwise, on the evidence had before the Commissioner. From the experience had, thus far, it may be presumed that the judge would have but few cases to examine, and that those would not materially interfere with his other judicial duties. A reasonable compensation for such duty may be made from the patent fund Parties from a distance could then have their cases settled, without the great delay or trouble to which they are now subjected.

Three dollars are, by law, chargeable for recording assignments of patents. As the transmission of such small amounts to the office is often attended with inconvenience, it is respectfully suggested that this duty of three dollars may be dispensed with, and the recording of assignments done free of charge; especially as the amount received annually for such records does not exceed $1,500, and the other duties paid into the office are amply sufficient to meet all the current expenses.

Much inconvenience is experienced for want of accommodations which the new Patent-Office building is intended to afford. Many highly interesting and valuable models are necessarily exposed to injury for want of proper means of protection and preservation. Besides, the hall in which they are at present kept is becoming too crowded, and there is no other suitable place even for a temporary deposite of them. It is not among the least of the evils arising from the delay in the completion of the building that has been so long under construction, that it delays the reception of those beautiful specimens of the arts and manufactures, for

which room is to be therein provided, and which promise to be of so much interest to citizens from all sections of our country. The present prospect affords abundant assurance that this national repository of the arts and manufactures of the genius and science of our country, will, in a short time, be found worthy of the republic, and be a just source of pride to every American.

It cannot fail to merit the fostering care of the Government in carrying out designs conceived in so much wisdom and patriotism.

To some who have contemplated the building only as a place for the reception of patented models, the plan has appeared too extensive; but when it is recollected that the numerous articles of American cutlery alone would fill one of the largest rooms, a fear arises that the Commissioner will soon have to limit the contributions offered.

It is by law made the duty of the Commissioner to cause every invention for which a patent is claimed, to be carefully examined, and grant patents only for those which are new. It could not well be foreseen what amount of labor would be employed in this service. The interest of the public generally, as well as that of the patentees and their assigns, is very much promoted by a prompt as well as just discharge of this duty.

It requires scientific qualifications, an acquaintance with foreign languages, and the attainment of an extensive knowledge of the whole range of invention and discovery in Europe and America. These are possessed by but few. In addition to this, it is the duty of the office to furnish applicants for patents with information which may be necessary to enable them to shape their specifications and claims so as to avoid trespassing upon the rights of other inventors or of the public, and, as far as practicable, steer clear of those legal objections which have so often laid the foundation for expensive and ruinous law-suits.

The proper discharge of these duties requires diligent and extensive research, and a knowledge of that branch of the law at least which pertains to the subject of patents, embracing the decisions of our own as well as of foreign courts, in patent cases. For the performance of the important duties referred to, the law provides for two "examining clerks" only, who, in addition to the ordinary services of the office, must have time to make themselves conversant with the current intelligence of the day relating to the progress of science and the arts. A great portion of the correspondence is of such a nature that it necessarily devolves on them, because the information and explanations sought are within their peculiar province. These essential and laborious duties cannot all be performed by two clerks; and I respectfully renew my recommendation that the appointment of two assistant examiners be authorized by law. The time of the two examiners appointed under the existing law has been most laboriously occupied in these duties; yet the state of the business in that department has left me to choose between leaving much of it undone, with great prejudice, delay, and dissatisfaction to numerous applicants for patents, or to employ, without authority, such additional aid as could be had. I felt constrained to adopt the last alternative; and with such additional aid I have been unable to keep up the business in the examiner's department.

There are at the present time over one hundred applications for patents that have not yet been reached by the examiners; besides about two hundred which are in various stages, many of them returned for alterations, and which have to be again examined and considered. Without more force, the cases on hand cannot all be disposed of for several months.

The duties devolving on this department will employ the constant and laborious services of four clerks. The applicants come from distant parts of the country, and ought to have their business attended to and completed in three or four days. They often wait weeks, and even months in some instances, on expense, before their turn arrives. The expenses of the department are wholly defrayed by them. They, and not the public, which derives much the greatest benefit from their inventions and discoveries, are taxed for its support. They therefore complain, and it will be considered whether justly or not, of being subjected to much delay and expense, arising only from a want of sufficient clerical force in the office.

Sudden and pressing applications for office copies have frequently compelled the Commissioner to employ extra aid; and since it may not be deemed expedient to appoint permanent clerks to perform contingent duties, I would respectfully recommend that the Commissioner be authorized to procure such transcribing of records or copies as may be necessary, allowing for the same not exceeding the sum fixed by the patent law for office copies.

With such additional assistance, it is believed that the business of the office could be performed with despatch.

I deem it a duty to mention again, that the only appropriation for the library of the Patent Office was made in 1836; and instead of purchasing, as was then contemplated, the more rare books in foreign countries, relating to patents and the arts, the funds were necessarily taken to replace duplicates in daily use before the late destructive fire.

If the law requires the Commissioner to notice domestic and foreign inventions, he must surely have the books requisite to give this information; among the most indispensable are the periodical publications. I would therefore recommend an annual appropriation from the patent fund for this object.

The calamitous fire which destroyed every article contained in the Patent Office, has compelled the Commissioner to prepare a digest of all the patents issued by the Federal Government. This has been done from authentic documents, and the same will be published under a new, and, it is believed, highly improved classification.

The models and drawings, also, now amounting to several thousands, will be arranged in corresponding classes. This digest is so indispensable to each clerk, that I find it necessary to cause a small edition to be printed, as the most economical method of procuring the requisite number of copies: and as the publication of a larger edition than the wants of the office require would be attended with but little additional expense, the opportunity is presented of providing each State with several copies, affording, as it will, very useful information to the public generally.

I cannot omit to notice the failure of Congress to make any appropriation for the use of rooms so kindly offered to the Patent Office by the city authorities, and who have only required a remuneration for the actual expense incurred, in consequence of the accommodation.

I will only add, that the increasing wants of this office can all be supplied from the annual revenue credited to the patent fund, witho it any requisition on the general Treasury.

Very respectfully, your obedient servant,

H. L. ELLSWORTH.

Hon. James K. Polk,
Speaker of the House of Representatives.

A.

Classified list of letters patent granted during the year 1838, *with the names of patentees, place of residence, and date of patent.*

CLASS I.—AGRICULTURE, INCLUDING INSTRUMENTS AND OPERATIONS.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Bee-hives and bee-houses	John Searle	Hill, N. H.	January 20.
Canker-worms ascending fruit-trees, prevent'g	Jonathan Dennis, jr.	Portsmouth, R. I.	June 21.
Churns	Stephen P. W. Douglass	Lansingburg, N. Y.	January 9.
Churns	Joshua G. Pike	Lisbon, N. Y.	April 28.
Churns	Rufus Porter	Billerica, Mass.	May 10.
Churns	Enoch Thomas	Harrisonburg, Va.	May 30.
Churns	Daniel Osgood, jr.	Blue Hill, Me.	July 9.
Cleaning—see *Winnowing*.			
Cultivator and weeder	Simeon W. Marshall and Joseph W. Coburn.	Dracut, Mass.	October 3.
Cutting grass and grain	David Lewis, jr	Berne, N. Y.	April 14.
Cutting grass and grain	Ira Wheeler	Salem, N. H.	May 30.
Cutting, scythe-hanging	Joseph Clapp and Erast. S. Clapp	Montague, Mass.	July 16.
Cutting, scythe-snath	Samuel Puffer	Sunderland, Mass.	April 7.
Flax or hemp, gathering	William Brittain and John Silvers	New Hope, Pa.	November 25.
Hay, preserving, &c.	A. D. Ditmars	Chester county, Pa.	February 15.
Hoe-handles, fastening	George Hight	Gorham, Me.	May 25.
Hulling clover-seed	Daniel Hunsicker	Hartley, Pa.	May 8.
Hulling clover-seed	Jacob Flook, of John	Middlesex, Md.	May 10.

LIST OF PATENTS—CLASS 1—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Hulling grain, and cleaning	Jeduthan Cross	Centre Lisle, N. Y.	October 8.
Hulling rice and barley	Eleazer Carver	Bridgewater, Mass.	September 22.
Hulled rice, mortar for dressing	James J. Cordes	London, England	September 19.
Hulling rice and rubbing wheat	Alfred Duvall and Wm. J. Duvall	Baltimore, Md.	Jan. 9; anted'd Aug. 11, 1837.
Lime, &c., spreading	Daniel F. Hill	Plainfield, N. J.	February 10.
Lime, &c., sowing seed and spreading	Julius Hatch	Great Bend, Pa.	Aug. 17, 1835; reissued Jan. 9.
Mowing—see *Cutting*.			
Plough	William T. Sprouse	Sangamon, Ill.	February 15.
Plough	Henry Taylor.		
Plough	David Prouty and John Mears	Boston, Mass.	September 15.
Plough	John Deats	Roxbury, N. J.	November 25.
Plough, cast-iron, malleable	Cyrus Alger	Boston, Mass.	August 3.
Plough, clevis	Aaron Carman	Columbus, N. J.	June 20.
Plough, corn	John Hernly	East Hempfield, Pa.	December 10.
Plough, double hillside	Martin Rich	Ithaca, N. Y.	March 24.
Plough, double mouldboard	Stephen Gregory	Sawpits, N. Y.	November 14.
Plough, hillside	Isaac Teeter	Johnstown, Pa.	October 3.
Plough, self-sharpening	John Ormiston	Center, Ohio	March 17.
Plough, self-sharpening	John W. Post	Baltimore, Md.	October 8.
Rake, hay	Daniel Smith	Vincennes, Ind.	June 7.
Rake, hay	William Buckminster	Framingham, Mass.	July 12.
Seeding, drill for sowing seed	George A. Hoyt	Albany, N. Y.	April 21.
Seeding, planting corn	Elisha Bunce	Westford, Mass.	July 16.
Seeding, planting all kinds of seed	William Buckminster	Framingham, Mass.	October 8.

Seeding, sowing and planting ruta baga	Niram R. Merchant	Guilford, N. Y.	January 20.
Shelling corn	Thomas Wright	New Village, N. J.	June 12.
Shelling corn	James W. Webb	Mount Morris, N. Y.	July 16.
Shelling corn	Rufus Porter	Billerica, Mass.	September 12.
Shelling corn	Lester E. Denison	Saybrook, Ct.	October 8.
Smut machine	John Parker	Sunbury, Ohio	August 23.
Smut machine and cleaning rice	Daniel H. Southworth	Little Falls, N. Y.	August 23.
Smut machine, rubbing garlic from wheat	Zelaphia Duvall, Alexander Callegan, and Joseph Miller.	Ellicott's Mills, Md.	November 3.
Straw-cutter	Jonathan S. Eastman	Baltimore, Md.	February 15.
Straw-cutter	William J. Duvall	Baltimore, Md.	March 28.
Straw-cutter, horizontal	Robert A. B. Beech	Williamson co., Ten.	April 24.
Straw-cutting, &c.	Edwin Gillett	Ellington, Ct.	January 9.
Straw-cutting	Ebenezer Dewey	Butternuts, N. Y.	June 4.
Straw-cutting	Samuel Gilson	Arcadia, N. Y.	June 27.
Straw-cutting	John Boynton	South Coventry, Ct.	November 25.
Thrashing clover-seed	William B. Davis	Reading, Ohio	June 20.
Thrashing clover-seed	William Rowe	Frederick, Md.	August 25.
Thrashing grain	Linus Yale, S. W. Stimson, and Nathaniel Stimson.	Little Falls, N. Y.	May 17.
Thrashing grain	Ammi West	Greene, Me.	July 26.
Thrashing grain, hulling, &c.	Horatio N. Waterhouse	Butler county, Ky.	March 21.
Thrashing grain and shelling corn	Myron J. Gilbert	Troy, N. Y.	January 20.
Thrashing grain, and winnowing	Reuben W. Currier	East Kingston, N. H.	September 17.
Thrashing machine	Frederick and Henry Grieb	Hagerstown, Md.	October 19.
Thrashing machine for clover, &c.	Samuel Kern	Strasburg, Va.	May 8.
Thrashing machine, conveying straw from	Uriah Beebe	Clarendon, N. Y.	March 28.
Thrash'g machine, prevent'g dust from rising	Joseph Ross	Boundbrook, N. J.	October 8.
Winnowing, cleaning grain	David H. Cole	Portland, Me.	July 17.
Winnowing, cleaning grain	George A. Johnson	Johnsonburg, N. Y.	December 15.

LIST OF PATENTS—Continued.

CLASS 2.—ARTS, POLITE, FINE, AND ORNAMENTAL,

Including music, painting, sculpture, engraving, books, paper, printing, binding, jewelry, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Binding books	David Felt	New York city	August 1.
Gilding copper, brass, &c.	George Richards	Birmingham, England	May 17.
Notes, &c., protecting	Eleazer Watson	Albany, N. Y.	August 3.
Organs	John Meads	Albany, N. Y.	November 25.
Paper, brown, from beach-grass	Isaac Sanderson	Milton, Mass.	February 22.
Paper-engine regulator	John M. Hollingsworth	Braintree, Mass.	December 31.
Paper, preparing husks to make	Homer Holland	Westfield, Mass.	August 13.
Pen, metallic	Henry C. Windle, Joseph Gillot, and Stephen Morris.	England	Mar. 21; ante'd Sept. 21, 1837.
Pen and pencil case	Thomas Addison	New York	May 10.
Piano-forte	Edwin Brown	Boston, Mass.	November 20.
Piano-forte, key for tuning	John Cutts Smith	Boston, Mass.	November 14.
Piano-forte, wrest-pin of	Daniel Walker	City of New York	June 19.
Rag-duster	Enoch Bart	Manchester, Ct.	September 14.
Rags, tearing and dusting	Henry Clark and William Albertson.	New London, Ct.	September 19.
Rags, washing	Robert Carter	Elkton, Md.	February 22.
Types, casting printing	David Bruce, jr.	Bordentown, N. J.	March 17.
Types, smoothing the sides of	David Bruce, jr.	Bordentown, N. J.	March 10.

CLASS 3.—CALORIFIC,

Comprising lamps, fire-places, stoves, grates, room-heaters, cooking apparatus, fuel, &c.

Air, heating, for the hot blast in furnaces	Joseph Jones	York, Pa.	December 10.
Coffee and tea, making	Antoni Bencini	Milton, N. C.	September 27.
Cooking stove	E. L. Parshley and B. Furbish	Brunswick, Maine	January 9.
Cooking stove	Horace V. Teall	Canajoharie, N. Y.	January 20.
Cooking stove	Jefferson Cross	Eaton, N. Y.	June 27.
Cooking stove	Garet G. Hermance	Poughkeepsie, N. Y.	July 24.
Cooking stove	Simeon Heywood and L. P. Fisher	Claremont, N. H.	August 29.
Cooking stove	Jordon L. Mott	City of New York	September 19.
Cooking stove	Daniel Tisdale	Canton, Mass.	November 12.
Cooking stove, applying heat in	Stephen J. Gold and Job S. Gold	City of New York	June 20.
Cooking stove, constructing	Philip Wilcox	Springfield, Mass.	Sept. 13, antedated Aug. 30
Cooking stove and oven	John R. Smith	New Haven, Conn.	March 10.
Cooking stove, railway	Isaac R. Bucklin	West Troy, N. Y.	July 9.
Cooking stove for summer	Anson Atwood	Troy, N. Y.	June 30.
Cooking stove for summer and winter	Philo P. Stewart	City of New York	September 12.
Cooking stove, and warming	Josiah Hill	Andover, Mass.	October 16.
Fire-place, parlor and kitchen	John Hagerty	Monroe, Mich.	March 24.
Flues, &c. of kitchen ranges	Samuel Pierce	New York	February 21.
Flues of open fire-places	Thomas Whitson	City of New York	June 14.
Fuel, composition for	John Allen	City of New York	March 17.
Fuel, preparing, and stoves to use therewith	Thomas Joyce	Camberwell, England	November 12.
Furnaces, portable	Jordon L. Mott	City of New York	October 19.
Furnaces of stoves for anthracite coal	Ebenezer Eaton	Troy, N. Y.	January 20.
Gas burner	Antoine Arnoux	City of New York	June 4.
Grates in stoves, lowering and raising	Josiah Dutcher	City of New York	June 30.

LIST OF PATENTS—CLASS 3—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Grates, open, for burning coals	James Atwater	New Haven, Conn.	November 9.
Heating buildings, &c.	Angier March Perkins	Now in London	Aug. 20; ante'd Jan. 30, 1832.
Kiln for charcoal	Michael Carroll	Tellico Plains, Tenn.	April 28.
Lamps, &c.	Samuel Rust	City of New York	January 9.
Lamps, &c.	Samuel Rust	City of New York	June 7, antedated April 2.
Lamps, &c.	John C. Fletcher	Springfield, Ohio	July 12.
Lamps, &c.	Joshua T. Beale	London, England	November 29.
Lamps, burning spirits of turpentine	Luther Jones	City of New York	November 25.
Lamps, coach	William Lawrence	Wallingford, Conn.	April 7.
Lamps, shade to	Samuel Rust	City of New York	January 9.
Lantern for steamboats	John M. Read	Louisville, Ken.	December 28.
Oven	J. Swift Gold	City of New York	Dec. 16, 1833, reiss'd Aug. 6.
Roasting meat	Samuel Pierce	City of New York	July 12.
Steaming, boiling, &c. apparatus	B. F. Gold	New York	January 9.
Stoves	Phineas Gillet	New Hartford, Conn.	June 30.
Stoves	James Miller	Baltimore, Md.	October 16.
Stoves, anthracite and other coal	Abraham D. Spoor	Troy, N. Y	Jan. 7, 1835, reiss'd Dec. 4.
Stoves, close, for heating apartments	William Beach	Philadelphia, Penn.	October 19.
Stoves, dumb, for parlors	John G. Treadwell	Albany, N. Y.	June 30.
Stoves and fire-places	Joseph Hurd, jr.	Stoneham, Mass.	June 23.
Stoves and grates for burning coal	Eli C. Robinson	Troy, N. Y.	June 30; antedated Feb. 26.

CLASS 4.—CHEMICAL MANUFACTURES, PROCESSES AND COMPOUNDS,

Including medicine, dying, color-making, distilling, mortars, cements, &c.

Bark, evaporating the extract of	George W. Klein	Boston, Mass.	December 15.
Bleaching linens, cotton, &c.	Lemuel W. Wright	Now in England	March 3.
Brewing beer	Thomas Behan	Norwich, N. Y.	August 1.
Cement, bituminous	Cyprien Poullalier	New York	March 3.
Coloring hats and furs	Harmon Hibbard	Attica, N. Y.	May 25.
Coloring matter, manufacture of	Henry Stephens	Great Britain	Oct. 28, 1837; reissu'd Ap'l 21.
Dying, art of	Patrick Magennis	Paterson, N. J.	April 21.
Dying yarn from the beam	William Spencer	Lowell, Mass.	September 25.
Dying wool	Felix Fossard	Philadelphia, Penn.	April 21.
Dye-woods, extracting color from	Laurence Kent	Dorset, Vt.	September 27.
Evaporator	Samuel T. Harrison	Baltimore, Md.	December 31.
Fuse, safety, in blasting rocks	William Lewis	City of New York	October 26.
Gasmetre	Samuel Clegg	Kingdom of G. Britain	September 22.
Gum elastic, manufacturing	Charles Goodyear	Roxbury, Mass.	July 24.
Leaching ashes	Elijah Williams	Westfield, N. Y.	January 9.
Pigment of lead	Homer Holland	Westfield, Mass.	November 3.
Pigment, white	William Cumberland	City of New York	June 7.
Salt, making	Charles G. Reynolds	Kanawha, Va.	March 3.
Salt rheum, remedy for	William B. Trufant	Bath, Me.	February 10.
Sugar boiler, circulating	Francis Hoard	Demerara, W. I.	May 30.
Sugar from beets	Joseph Hurd, jr.	Boston, Mass.	July 26.
Sugar kettles, setting	James Malory	New Orleans, La.	September 20.

LIST OF PATENTS—Continued.

CLASS 5.—CIVIL ENGINEERING,

Comprising works on rail and common roads, bridges, canals, wharves, docks, rivers, wiers, dams, and other internal improvements.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Bridge, swinging	Abner R. King	Parma, N. Y.	November 9.
Canal lock-gates	Franklin Livingston	Waterford, N. Y.	April 13.
Excavating earth, elevating box-wheel for	James Rowe	Triana, Ala.	February 15.
Excavating and removing earth	James Sawyer	City of New York	March 23.
Excavating and embanking ditches	George Page	Keenne, N. H.	October 26.
Excavating, embanking, and ditching	Linton Thorn	Washington, D. C.	October 10.
Excavating mud machine	John Hart	Middletown, Conn.	Nov. 20; antedated May 20.
Gravel pump for excavating wells, &c.	Laura Rice, administratrix of James J. Rice, deceased, and Ebenezer Rice.	Salina, N. Y.	August 15.
Marine railway	Robert Tindle, administrator of Israel Riggin	Baltimore, Md.	August 30.
Pile driving, progressive, for railroads	Smith Cram	City of New York	June 14.
Railroads, constructing timber	James Stimpson	Baltimore, Md.	August 13.
Railroads, preventing cattle on	David Green	Greenfield, N. Y.	August 25.
Removing obstructions under water	Smith Cram	City of New York	October 26.
Snags, removing, &c., from beds of rivers, &c.	Henry M. Shreve	St. Louis. Mo.	September 12.

CLASS 6.—FIBROUS AND TEXTILE SUBSTANCES,

Including machines for preparing and manufacturing the fibres of wool, cotton, silk, fur, &c.

Calico, &c., printing	Godfrey Woone	London, England	April 2.
Calico, &c., printing	Bennet Woodcroft	Hardwick, England	April 5.
Calico, &c., printing	Alden Sibley	Pawtucket, Mass.	July 9.
Cards for carding wool	George Faber	Canton, Ohio	August 1.
Carpeting and rugs	John Humphreys	City of New York	December 10.
Cordage, twisting strand, in making rope	Moses Day	Roxbury, Mass.	February 7.
Cotton, separating trash from, &c.	Jacob Idler	Philadelphia, Pa.	December 31.
Flax and hemp, breaking	Andrew Forsyth	Columbia, Ten.	January 9.
Flax and hemp, breaking	Alvin Keyes	Crittenden, Ky.	April 4.
Flax and hemp, hackling	Foster Demasters	Shelbyville, Ky.	November 20.
Gin, cotton roller	Eleazer Carver	Bridgewater, Mass.	September 27.
Gin, cotton, &c.	William P. Baker	Boston, Mass.	November 20.
Gin, forming the ribs of saw	Eleazer Carver	Bridgewater, Mass.	June 12.
Loom, power	Elijah Fairham	Stafford, Ct.	February 6.
Loom, power	Wm. B. Pender and N. C. Horn	Wolfeborough, N. H.	August 15.
Loom, power and common	Benjamin Lapham	Saratoga, N. Y.	January 20.
Loom, power, friction to yarn-beam	Stephen Kimball	Putney, Vt.	May 30.
Loom, power, treadle in	Eli Horton	Stafford, Ct.	February 22.
Loom, temples for	Emory A. Angell	Killingley, Ct.	October 19.
Loom, weaving knotted counterpanes	Erastus B. Bigelow	West Boylston, Mass.	January 6.
Loom, weavers', harness for	John Thorp and W. G. Angell	Providence, R. I.	December 31.
Loom, sattinet	John D. Seagrave	Uxbridge, Mass.	May 17.
Napper, metallic	John M. Pratt	Dudley, Mass.	October 3.
Oakum, picking	Hiram Burnham	Boston, Mass.	October 5.
Reeling silk from cocoons	Jonathan Dennis, jr.	Portsmouth. R. I.	December 28.
Shearing woollen cloth	Reuben Daniels	Woodstock, Vt.	Ap'l 7; anted'd Oct'r 7, 1837.

LIST OF PATENTS—CLASS 6—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Shearing woollen cloth	Seth Parsons	Hoosick Falls, N. Y.	Nov. 25; antedated May 25.
Spinning cotton, self-acting mule for	James Smith	Perth, Scotland	J'e 27; anted'd Feb. 20, 1834.
Spinning, domestic spinner	Hiram F. Wheeler	Sprirgfield, Pa.	April 25.
Spinning flax and hemp, flyers for	Henry Evans and B. Churchill	Plymouth, Mass.	September 26.
Spinning, flyers and spindles for cotton	Richard E. Yerkes	Philadelphia, Pa.	June 12.
Spinning, flyers and spindles for cotton	John Howarth and Nathan Jones	Andover, Mass.	December 28.
Spinning flyers, boring, &c.—see *Class* 15.			
Spinning, speeder for roving cotton	William Mason	Taunton, Mass.	May 4.
Spinning, silk-spinner	Harrison Holland	Northampton, Mass.	October 10.
Spinning, silk, twisting double	Jonathan Dennis, jr.	Portsmouth, R. I.	December 28.
Wool, cleaning from burs	Theodore Ely	Poughkeepsie, N. Y.	September 17.

CLASS 7.—FIRE-ARMS AND IMPLEMENTS OF WAR, AND PARTS THEREOF,

Including manufacture of shot and gunpowder.

Fire-arms	Henry and Charles Daniels	Chester, Ct.	February 15.
Fire-arms	William Jenks	Columbia, S. C.	May 25.
Fire-arms	Hezekiah L. Thistle	New Orleans, La.	August 1.
Fire-arms	Samuel Adams	Springfield, Mass.	October 3.
Fire-arms, many-chambered	P. F. Haviland and E. A. Bennet	Waterville, Me.	February 15.

Fire-arms, many-chambered	Henry and Charles Daniels	Chester, Ct.	April 5.
Fire-arms, many-chambered	Theodore F. Strong	Northampton Mass.	April 21.
Fire-arms, many-chambered	Rufus Nichols and Edward Childs	Conway, Mass.	April 24.
Fire-arms, many-chambered	Mighill Nutting	Portland, Me.	April 25.
Fire-arms, many-chambered	Elijah Jaquith	Brattleborough, Vt.	July 12.
Gun carriages	William Smith	Washington, Ky.	July 19.
Gunpowder	Richard I. L. Witty	Lowell, Mass.	April 2.
Lock for guns	Philo W. Hoyt	Danbury, Conn.	March 10.
Shot charge	George W. Dobbin	Baltimore, Md.	March 23.
Shot, manufacturing	Alfred Duvall	Baltimore, Md.	May 8.
Throwing balls, shot, &c.	Robert McCarty	City of New York	December 31.

CLASS 8.—GRINDING MILLS AND MILL-GEARING,

Containing grain mills, mechanical movements, horse-power, &c.

Cider-mill, portable	Frederick Fredley	Sugar Valley, Penn.	August 3.
Flax seed, grinding	George L. Stearns	Boston, Mass.	August 17.
Gear, universal bevel	John Lewis	Burlington, Vt.	November 29.
Gearing for driving machinery	Jesse Urmy	Wilmington, Del.	February 6.
Grinding grain	Perry Davis	North Providence, R. I.	May 17.
Grist-mill	Ezra Goodell and O. P. Stevens	Port Laurence, O.	October 10.
Horse-power	James Secor	City of New York	April 28.
Horse-power	Miles C. Mix	Danby, N. Y	June 23.
Horse-power	Orrin Straight	Lycoming county, Pa.	August 3.
Horse-power	Amos Parker	Windham, Me.	August 30.
Horse-power	Jerub. A. Fay	Baltimore Md.	October 10.
Mill-stones, dressing	Zebulon Chesebrough	Alden, N. Y.	December 10.
Mill-stones, dressing and laying the runners of	Charles Vest	Stokes county, N. C.	October 2.

LIST OF PATENTS—CLASS 8—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Motion, converting and reciprocating	Charles A. Watson	Green River, Ky.	August 1.
Rollers, friction	Rollin Dickinson and S. J. Merriman.	Southington, Conn.	March 26; antedated Sept. 26, 1837.
Spindles, self-tightening bush for	Henry Flinchbaugh	Lampeter township, Pa.	October 19.

CLASS 9.—HYDRAULICS AND PNEUMATICS,

Including water-wheels, wind-mills, and other implements operated by air or water, or employed in the raising and delivery of fluids.

Bellows, hand	John Grennell	Springfield, Mass.	August 3.
Bellows, working by steam	Martin Bell	Antes township, Pa.	April 24.
Hydrants and fire-plugs	John M. Jorden	Baltimore, Md.	September 8.
Press, hydrostatic	Edward Merrill	New Bedford, Mass.	March 28.
Pump	Joseph Smart	Eaton, Pa.	February 3.
Pump	Jesse Reed	Marshfield, Mass.	July 24.
Pump	Joseph Evans	Lebanon, O.	November 9.
Pump, fire-engine	Joseph Newman	Baltimore, Md.	April 14.
Pump, suction and force	James J. Rice	Salina, N. Y.	March 10.
Pump, suction and force	Andrew Bailey	Jefferson, O.	May 4.
Pump, working the pistons of	David Whittier	Belfast, Me.	April 14.
Raising water and forcing	Elisha Vance	Wilmington, O.	June 7.

Raising water	David L. Myers and Samuel Myers.	Christianburg, Va.	July 28.
Soda fountain	Lansing B. Swan	Rochester, N. Y.	November 3.
Syphon for drawing oil	James Gray	Fredericksburg, Va.	April 25.
Water-wheels	John W. Moon	Roxbury, N. Y.	February 15.
Water-wheels	John R. Wheeler	Seneca Falls, N. Y.	April 14.
Water-wheels	John Mumma	West Alexandria, O.	April 28.
Water-wheels	Samuel B. Howd	Geneva, N. Y.	July 26.
Water-wheels	William Hatfield	Zanesville, O.	December 31.
Water-wheels	Thomas N. Whitcomb and Joseph M. Whitcomb.	Grafton, Vt.	December 31.
Water-wheels, gate for flumes	William Buckminster	Framingham, Mass.	April 25.
Water-wheels, reacting	Nelson Johnson	Erwin Centre, N. Y.	May 30.
Windmill, horizontal	William Lewis Thomas J. Lewis	Boston, Cambridge, Mass.	January 27.
Windmill, regulating	Israel Keyes	Putney, Vt.	September 14.

CLASS 10.—HOUSEHOLD FURNITURE,

Including domestic implements, washing machines, soap and candle making, bread and cracker machines, feather dressing, &c.

Apples, paring, coring, &c.	Robert W. Mitchell	Martin's Hill, O.	April 13.
Bedsteads, castors for	Philos Blake, Eli W. Blake, and John A. Blake.	New Haven, Conn.	June 30.
Bedsteads, constructing	Samuel P. Smith	Salina, N. Y.	October 26.
Bedstead fastenings	William Bell	Lexington, Ky.	February 15.
Bedstead fastenings, mode of	Pardon Post	New Haven, Conn.	June 12.
Bedstead fastenings	Laurens Kent	Dorset, Vt.	September 12.

LIST OF PATENTS—CLASS 10—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Bedsteads, making and stretching the sacking of.	William S. Anderson	Shelbyville, Ten.	June 4.
Bedsteads, wardrobe	Zebulon C. Favor	Boston, Mass.	April 2.
Chair, combined rocking and castor	John David Brown	City of New York	October 5.
Couch, variety	Eleazer Carver	Bridgewater, Mass.	June 12.
Cutting beet-roots	Joseph Hurd, jr.	Boston, Mass.	July 26.
Cutting or mincing vegetables	John C. Conger	Rebersburg, Pa.	January 27.
Dough, plating and cutting crackers	John M. Heagle	New Haven, Conn.	April 13.
Feathers, cleansing and purifying	Samuel G. Ladd	Hallowell, Me.	September 22.
Feathers, washing and dressing	John W. Howlet	Greensborough, N. C.	October 5.
Refrigerators	Henry V. Hill	Washington, D. C.	May 25.
Sofa bedstead	Nicholas McGraw	City of New York	December 10.
Sofa sliding bedstead	George Wode	City of New York	June 12.
Washing machine	Robert W. Oliphant	North Granville, N. Y.	June 7.
Washing clothes, rotary pounder for	Christopher Anmock	Elbridge, N. Y.	March 10.
Writing desk	Seth Luther	Boston, Mass.	June 19.

CLASS 11.—LAND CONVEYANCE,

Comprising carriages, cars, and other vehicles, used on roads, and parts thereof.

Axles of railroad cars, &c., strengthening	Ziba Durkee	Philadelphia, Penn.	January 9.
Breaks, eccentric, for railroad cars	Ephraim Morris	Bloomfield, N. Y.	September 19.

Boxes and axles for carriages - -	James A. Smith - - -	New Haven, Conn. -	March 23.
Bumpers applied to locomotives, &c. -	J. P. Fairlamb and L. C. Judson	Philadelphia, Penn.	January 9.
Bumpers, in spring draft, for railroad cars -	Peter Alverson - - -	New Haven, Conn. -	September 8.
Cars, carriages, &c. for railroads - -	Joseph Harrison, jr. - -	Philadelphia, Penn. -	April 24.
Cars of railroad - - - -	William A. Davis - -	Baltimore, Md. -	October 5.
Lock, spring, for coach doors -	Peter Alverson - - -	New Haven, Conn. -	April 2.
Sleigh-runners, attaching to wheel-carriages	Henry G. Guyon - -	New York city -	September 13.
Springs, carriage - - - -	William Patton - - -	Towando, Penn. -	January 9.
Springs, carriage - - - -	William Sharp - - -	Burdett, N. Y. -	April 7.
Springs, carriage - - - -	Elbridge G. Woodside - -	Augusta, Maine -	May 4.
Springs, carriage - - - -	George B. Robinson, - -	Pawlet, Vt. -	October 3.
Springs, carriage - - - -	Remember Baker, executor of Stannard Baker, deceased	Elba, N. Y. -	June 19.
Springs, attaching to carriages - -	David A. Morton - -	Groton, N. Y. -	January 9.
Springs, applying to carriages - -	J. Jones, Alan Eells, and Horace Griswold	Delaware county, N. Y.	July 16.
Springs, elliptic, to carriages - -	Melzar Tuells - - -	Penn Yan, N. Y. -	July 9.
Springs for railroad cars - - -	Fowler M. Ray - - -	Cattskill, N. Y. -	December 3.
Velocity on railroads, &c. - - -	Jacob Nollner - - -	Washington, D. C. -	April 13.
Wheels, carriage, and harness - -	George Barnant - - -	Washington, D. C. -	May 25.
Wheels, carriage, for railroads - -	Robert Grant - - -	Baltimore, Md. -	November 3.
Wheels, cast-iron, for cars - - -	Henry Morey - - -	Beaver Meadow, Penn.	March 10.
Wheels, cast-iron, for cars - -	Jonathan Bonny, Charles Bush, and George B. Lobdell	Wilmington, Del. -	March 17.
Wheels, cast-iron, for cars - - -	Samuel Truscott, George Wolf, and James Dougherty - -	Columbia, Penn. -	March 17.
Wheels, chilling the hubs of car - -	Hopkins Thomas - -	Beaver Meadow, Penn.	October 13.
Wheels, locomotive engines, &c. - -	Henry R. Dunham - -	New York - -	February 15.

LIST OF PATENTS—Continued.

CLASS 12.—LEATHER,

Including tanning and dressing, manufacture of boots, shoes, saddlery, harness, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Beating hides and skins	William Zollickoffer	Middleburg, Md.	February 3.
Belt, spiral springs for	Walter Hunt	New York city	March 21.
Crimping leather	Lucius Upham	Putney, Vt.	January 9.
Crimping leather	Collins H. Jaquith	Keene, N. H.	March 21.
Crimping leather	Joseph Adams	Fairhaven, Vt.	Mar. 26; antedated September 26, 1837.
Crimping leather	Nathaniel Woodbury	Calais, Me.	August 16.
Crimping leather	George and Major Algar	Greenport, N. Y.	November 25.
Horse-collars, stretching	Henry Barton	West Carlisle, O.	July 9.
Leather, manufacturing	A Hickman and E. L. Davenport	Abingdon, Va.	August 1.
Pricking leather, &c. for harness	Joseph B. Briggs, Luther C. Carner, and John C. Carner.	Paineville, O.	March 26.
Rolling, shaving and leather	Thomas Chace	New York city	September 12.
Skeving and whitening leather	Seth Graham	Roxbury, Mass.	May 10.
Splitting sole and other leather	Elias Putnam	Danvers, Mass.	November 20.
Tanning, extracting from bark	Augustus A Hayes	Roxbury, Mass.	July 12.
Tanning leather, vats for	W. L. J. C. Rouse & Silas Taylor	Bedford, Va.	June 20.
Tanning, process of	Thos. Chase, (assigned to G. H. Richards.)	New York city	November 25.

Trunks, travelling, fire and water proof	Charles F. Miller	Lancaster, Pa.	June 20.
Whips, platting-machine for covering	Seymour Holladay	Westfield, Mass.	April 4.

CLASS 13.—LEVER AND SCREW POWER,

Including presses for packing, expressing balances, windlasses, cranes, jacks, and other mechanical contrivances for raising weights, &c.

Balances, platform	B. Morison	Milton, Pa.	March 17.
Balances, platform	John D. Dale	Lansingburg, N. Y.	August 30.
Balances, platform	Robert L. McCollum	Rochester, N. Y.	December 31.
Boom, derrick	James S. Savage	Boston, Mass.	February 15.
Cargoes, ascertaining weight of	Amory Amsden	Rochester, N. Y.	June 27.
Crane, labor-saving of	Thomas Godwin	New York	October 2.
Press, cheese	Luke Hale	Hollis, N. H.	June 30.
Press, cotton	Henry Waterman	Bath, Me.	May 10.
Press, cotton	Alexander Jones	New Orleans, La.	October 26.
Press, improved	George C, Chesley	Rocky Mount, Va.	June 27.
Raising heavy bodies	George Kilburn	Walpole, N. H.	August 25.
Raising heavy bodies and extract'g stumps	Roswell H. Hall	Branchport, N. Y.	September 15.
Scale-beam and weights	Alvah H. Free	Troy, N. Y.	January 9.
Windlass	Russel Evarts	Madison, Ct.	May 30.
Windlass	Frederick G. Cameron	New York city	June 12.
Windlass for weighing anchors	John M. O'Brien	Brunswick, Me.	November 9.

LIST OF PATENTS—Continued.

CLASS 14.—MATHEMATICAL, PHILOSOPHICAL, AND OPTICAL INSTRUMENTS,

Including clocks, chronometers, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Artificial horizon for quadrants	Charles Goulding	Mobile, Ala.	February 24.
Clocks, applying springs to	Joseph S. Ives	New York city	May 4.
Electro-magnets, changing the poles, &c.	Nelson Walkly	Tuscaloosa, Ala.	June 27.
Electro-magnetism	Solomon Stimpson	New York	September 12.
Plumb-balance and pendulum level	Lemuel Lewis	Newfield, N. Y.	October 3.
Protracting table	William T. Steiger	Washington, D. C.	September 7.
Sphereometer for ascertaining relative bearings.	Cephas Johnson	Southington, Ct.	January 9.

CLASS 15.—MANUFACTURE OF METALS AND INSTRUMENTS THEREFOR,

Including furnaces, implements for casting, nail and screw machines, hardware, safes, cutlery, &c.

Alloying copper, &c., cementation	M. Sorel	Paris, France	September 17.
Augers, double-twist	E. L'Hommedieu & R. Watrous	Chester, Ct.	July 24.
Awls, attaching to hafts	Dexter Pierce	Montague, Mass.	August 13.
Axes, manufacturing	Denman C. Stone	Naponock, N. Y.	April 21.
Axes and hatchets, punching eyes, &c.	Elisha K. Root	Collinsville, Ct.	December 10.
Boring flyers of double-speeders	James S. Brown	Pawtucket, Mass.	July 9.

Curry-combs, making	Nathaniel C. Sanford	Meridon, Ct.	November 3.
Door-springs	William Wilson	Greenfield, Mass.	July 17.
Drill-stock, geared	George Page	Keene, N. H.	May 8.
Filing hand-saws	James S. Harris	Poultney, Vt.	June 21.
Forge, back for	Luke Wilder	Leominster, Mass.	March 17.
Forge, smith's	Amos Bissey	Point Pleasant, Penn.	June 23.
Furnace-blast, hearth of the	George Poe	Elkridge Landing, Md.	June 23.
Furnace-blast, draught of	Asahel Collins	Ulster, New York	December 31.
Furnace, heating the blast in	Charles C. Alger	Stockbridge, Mass.	June 30.
Furnace, manufacture of iron	Isaac C. Bryant	Philadelphia, Penn.	December 31.
Furnace, and pots for melting	Silas Grilley	Waterbury, Conn.	March 17.
Furnace, refining iron	James Sharp	Liverpool, Penn.	June 23.
Furnace, smelting iron, &c.	J. Bangham & Julius Guiteau	Harford town'p, Mauch Chunk, Penn.	March 21.
Furnace, smelting lead	A. R. Drummond & G. W. Fuller	Galena, Illinois	May 30.
Hinge, helical spring joint	D. A. Hoyt & P. W. Bulkeley	Danbury, Conn.	April 28.
Hinge, butt, &c.	Charles R. Macy	Hyde Park, N. Y.	October 5.
Iron manufacture	George Crane	London, England	November 29.
Iron ores, smelting	Joseph Richards	Philadelphia, Penn.	December 18.
Knives and forks, table	George Ropes	Portland, Maine	May 10.
Lock, door, &c.	Robert Wilson	Burdett, New York	May 10.
Lock, door	Turner Whitehouse	Boston, Mass.	June 14.
Lock, door, for banks	James McClory	New York city	June 19.
Lock, door	Daniel Ball	Kingsbury, N. York	July 12.
Lock, manifold permutation	Robert Newell	New York city	September 25.
Lock mortice, for doors	Leonard Foster	Boston, Mass.	June 27.
Lock, trunk	Joseph Nock	Philadelphia, Penn.	October 10.
Lock, trunk, &c.	Henry C. Jones	Newark, New Jersey	December 15.
Metallic frame for neck-stocks, &c.	John Johnson	New York	December 31.
Nails and spikes, heading	Rencor Daree	Ridgeton, N. Jersey	January 27.
Nails and spikes, wrought	Richard Savery	Pittsburg, Penn.	April 2.

LIST OF PATENTS—CLASS 15—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Pipes, leaden, &c. - - - -	R. M. Seydle & Lewis Ward -	Milton, Penn. -	August 1.
Punch, revolving spring - - -	Solyman Merrick - -	Springfield, Mass. -	March 17.
Rolling mill for circular saws, &c. - -	Eleazer Carver - - -	Bridgewater, Mass. -	September 27.
Saws, circular, cutting teeth in - -	Thaddeus Sellick - -	Philadelphia, Penn. -	Sept. 19, antedated Mar. 19.
Set, saw - - - - -	Eli Waste, Norman Mellington, & Dyer Hutchins.	Bennington and Shaftsbury, Vermont.	March 28.
Shears, flying, manufacturing - -	Seth Parsons - - -	Hoosick falls, N. Y. -	June 7.
Sockets, iron, making - - -	Leonard Morse and Harvey Potter, (assigned to L. Morse.)	Foxborough, Mass. -	December 28.
Spoons, plating, mill for - - -	Sanford Boon - - -	Hamilton, N. Y. -	July 19.
Steel, increasing the strength of - -	Walter R. Johnson - -	Philadelphia, Penn. -	July 9.
Steel, increasing the strength of - -	Walter R. Johnson - -	Philadelphia, Penn. -	June 30; ante'd Dec. 30, 1837.
Tire of wheels, facing iron with steel -	William Johnson - -	Newark, Delaware -	May 30.
Vices, bench, metal - - -	James Keane & Thomas Keane -	Haverstraw, N. Y. -	August 20.
Window-fastener, spring - - -	Jonathan Bacon - -	Bedford, Mass. -	June 20.
Wood-screw, cutting - - -	James Keane & Thomas Keane -	Haverstraw, N. Y. -	July 9.
Wood-screw, &c., cutting - - -	Thaddeus Sellick, administrator of William Keane, deceased.	Haverstraw, N. Y. -	Patented Feb. 13, 1836; reissued April 16, 1838.

CLASS 16.—NAVIGATION AND MARITIME IMPLEMENTS,

Comprising all vessels for conveyance on water, their construction, rigging, and propulsion ; implements for fishing; diving-dresses, life-preservers, &c.

Boat, canal	Edward Randolph	Salt Creek, Ohio	January 9.
Boat, canal	John H. Long	Lewiston, Penn.	April 5.
Cables, chain, stopper for	Miles C. Mix	New York	November 3.
Constructing ships and other vessels	Henry Higginson	Boston, Mass.	April 4.
Diving apparatus	William H. Taylor	New York	January 20.
Fish, catching	Araunah Tiffany	Gibson, Penn.	July 26.
Floating and raising vessels	Samuel Carson	Woodside, England	July 12.
Gaft of sail vessels	John Brown	Stonington, Conn.	December 31.
Ice, boat for breaking, &c.	Walter Hunt and J. Townsend	New York	October 3.
Ice, boat for travelling on	Thaddeus Chapin	Canandaigua, N. Y.	September 14.
Ice, saw for sawing	John Barker	Cambridge, Mass.	February 3.
Life-preserver, safety	John J. White	Philadelphia, Penn.	April 7.
Lifting ships from the water	Thomas Bell	Brookhaven, N. Y.	November 14.
Net for catching mackerel, &c.	Benjamin W. Hale	Newbury, Mass.	June 4.
Propelling boats by action of air	James Black	Orangeville, Ohio	July 24.
Propelling boats, paddle-wheel	Isaac McCord	Harrisburg, Penn.	September 22.
Propelling vessels	John Ericson	Kingdom of Sweden	February 1.
Raising and carrying vessels	Hiram L. Meeker J. Bergen	Jersey city, N. J. New York city	May 25.
Seine, fishing	Russel Evarts	Madison, Conn.	March 21.
Seine, fishing	Cyrus Tracy	Savannah, Geo.	September 19.
Windlass. (See class 13.)			

LIST OF PATENTS—Continued.

CLASS 17.—STEAM AND GAS ENGINES,

Including boilers and furnaces therefor, and parts thereof.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Boiler of locomotives, &c.	Jacob Perkins, (assigned to Angier M. Perkins)	Now residing in England	December 15.
Boiler, steam	Abram Van Order	Ithaca, N. Y.	July 17.
Boiler, steam	Ellis L. Horton	Hartford, Conn.	September 5.
Boiler, steam, regulator for	Seth Graham	Roxbury, Mass.	February 15.
Boiler, steam, spiral flue for	Benjamin J. Miller	New York city	April 5.
Boiler, steam, safety	Levin P. Clark	Baltimore, Md.	May 30.
Condensing steam, apparatus for	Asahel Collins	Ulster, N. Y.	December 31.
Engine, steam	William Lighthall	Albany, N. Y.	April 14.
Engine, steam	Seth Graham	Roxbury, Mass.	April 21.
Engine, steam	Nathaniel Bosworth	Philadelphia, Penn.	July 9.
Engine, steam, cutting off steam from	Isaac Adams	Boston, Mass.	May 17.
Engine, steam, draught box for	Andrew M. Eastwick	Philadelphia, Penn.	April 5.
Engine, steam, rotary	O. Wright and A. A. Wilder	Warsaw, N. Y.	April 2.
Locomotive engine	Z. H. Mann and Levi B. Thying	Lowell, Mass.	March 10.
Locomotive, springs for	Johannes Oberhausser	Charleston, S. C.	February 15.
Piston, steam	Ellis L. Horton	Hartford, Conn.	September 5.
Spark arrester	Benjamin Briscoe	Detroit, Mich.	December 15.
Spark-arresting flue	Johannes Oberhausser	Charleston, S. C.	February 24.
Spark catcher	T. L. Smith and W. J. Van Lone	Newark, N. J.	June 20.

Spark, extinguishing, &c.	Timothy Newhall	Lynn, Mass.	January 27.
Spark, extinguishing, &c.	Jonas P. Fairlamb	Philadelphia, Penn.	March 3.
Spark, extinguishing, &c.	William T. James	New York city	April 13.
Spark, extinguishing, &c.	William S. Montgomery	Baltimore, Md.	July 28.
Spark, extinguishing, &c.	Samuel Leonard	Bridgewater, Mass.	December 15.
Spark, extinguishing, &c.	John Finlay	Baltimore, Md.	December 28
Steam, generating	Phineas Bennett	New York	August 3.
Steam, generating	Horatio Hubbell	Philadelphia, Pa.	August 6.
Valve, safety, for steam-boilers	John Hadley	Bennington, N. Y.	March 10.

CLASS 18.—STONE AND CLAY,

Including stone dressing, clay moulding and burning, mortar machines, &c.

Boring rocks	George C. Doherty	Cumberland county, Ky.	August 29.
Bricks, making	Jesse Reeder	Cincinnati, O.	February 15.
Bricks, making	Samuel C. Brusstar	Kensington district, Pa.	April 14.
Bricks, moulding	Loomis E. Ransom	Milport, N. Y.	January 9.
Bricks, moulding	John Bolton	Saratoga Springs, Y. N.	August 23.
Bricks, moulding and pressing	S. Watterman and C. Learned	Charleston, S. C.	April 14.
Bricks, pressing	Gaylord V. Harper	Batavia, N. Y.	April 25.
Bricks, pressing	Stephen Ustick, (assigned to Cotesworth P. Bronson.)	Philadelphia, Pa.	December 28.
Bricks, pressing from dry clay	N. Sawyer and T. W. Smith	Washington, D. C.	August 13.
Bricks, pressing from dry clay	Benjamin H. Brown	Washington, D. C.	December 8.
Hammer, pecking stones	Bela Gardner	Ashfield, Mass.	August 3.
Marble, &c., dressing	John D. Buzzell	Cape Elizabeth, Me.	August 13.
Porcelain or earthenware	Joseph Smolinski	Philadelphia, Pa.	March 28.

LIST OF PATENTS—CLASS 18—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Stone cutting and dressing	G. M. Alger and J. A. Alger	South Strafford, Vt.	March 3.
Stone, facing	Daniel Bunnel	Xenia, Ohio	July 16.

CLASS 19.—SURGICAL INSTRUMENTS,

Including trusses, dental instruments, bathing apparatus, &c.

Corn eradicator	Peregrine Williamson	New York	May 17.
Tooth extractor	David H. Dickey	Boston, Mass.	August 30.
Truss, corset	Johannes Oberhausser	Charleston, S. C.	January 20.
Truss for hernia	Samuel A. Brown	Petersburg, Va.	May 25.

CLASS 20.—WEARING APPAREL,

Including instruments for manufacturing articles for the toilet, &c.

Combs, metallic	Richard A. Ives	Bristol, Ct.	March 28.
Combs, metallic	Richard A. Ives	Bristol, Ct.	September 25.
Garments, measuring and cutting	Wm. Kahler and Charles Kahler	Bloomsburg, Pa.	January 20.

CLASS 21.—WOOD, MACHINES, AND TOOLS FOR MANUFACTURING,

Including sawing, planing, mortising, shingle, and stave, carpenters' and coopers' implements, buildings, roofs, &c.

Bedsteads, cutting on the ends of	Jacob Lindly	Cynthiana, Ky.	June 20.
Boring, framing timber	Jared Badger	Brooklyn, Ct.	January 20.
Casks, cutting heading for	Lee Wells	Hartsville, N. Y.	Jan. 27; anted'd July 27, 1837.
Clapboards, &c., sawing	Crawford Tyler	Milford, N. H.	August 30.
Coopering, croes for	James F. Brodhead	Kingston, N. Y.	October 8.
Door-hanging, &c.	Edward C. Tilson	Thomaston, Me.	January 9.
Door-drops, and for separating rooms	George Kilburn	Walpole, N. H.	December 31.
Gimblet	Ezra L'Hommedieu	Chester, Conn.	March 10.
Mortising and dovetailing	John Brainard	Aurora, O.	January 9.
Mortising timber	Francis and Thomas Burdick	Brooklyn, N. Y.	April 7.
Mortising timber	Ira McLaughlin	Sunderland, Vt.	April 7.
Mortising timber, &c.	John Andrews	Sudbury, Mass.	May 30.
Mortising timber	John Gridley, assignee of Erastus M. Shaw.	Baltimore, Md.	September 22.
Mortising and tenoning timber	Henry Barnes	Munson, O.	April 28.
Planes, screw arms for	Emanuel W. Carpenter	Lancaster, Pa.	February 6.
Planing boards	Robert Luscomb	Penn Yan, N. Y.	June 12.
Planing boards	Joseph Lombard	Boston, Mass.	October 13.
Planing machine	James McGregor, jr.	Wilton, N. Y.	January 9.
Planing plank, boards, and clapboards	Barnabas Langdon	Troy, N. Y.	January 9.
Roofs, covering with tin, &c.	John B. Duval	Charleston, S. C.	September 19.
Sagging, cutting	Benjamin B. Slade	Smithfield, R. I.	January 27.
Saw, annular	Robert Grant	Baltimore, Md.	October 8.
Sawing eaves-troughs	Ira Wing	Hancock, Vt.	March 17.
Saw-mill	Cornelius Van Alstine	Manlius Centre, N. Y.	August 8.

LIST OF PATENTS—CLASS 21—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Saw-mill dogs	Hezekiah Thurber	Painted Post, N. Y.	May 30.
Saw-mill, portable	Pearson Crosby	Fredonia, N. Y.	June 7.
Saw-mill without saw-gate	John C. Yates	Columbia, Ten.	April 21.
Saw-mill for sawing timber	James Secor	City of New York	April 28.
Shingles, sawing	Elnathan Samson	Plymouth, N. H.	September 5.
Shingles, sawing gauges of machines for	Elkanah Leonard	Canton, Me.	Nov. 4, 1837, reissued Oct. 26.
Shingles and clapboards, sawing	Thomas J. Flanders	Bradford, N. H.	September 25.
Shingles and staves, sawing	William Bell	Lexington, Ky.	September 22.
Shingles, shaving	Barnabas Langdon	Troy, N. Y.	January 9.
Shingles, shaving	William Thorn and James Thorn	Plainfield, N. J.	June 7.
Staves, jointing for barrels	James Wyman	Boston, Mass.	July 28.
Staves, sawing	Wm. Lancy and Solyman Merrick	Springfield, Mass.	September 25.
Staves, sawing and jointing	Nathaniel Moor	Ellsworth, Me.	June 19.
Timber, preserving	John Howard Kyan	Cheltenham, England	J'ne 23, anted'd Mar. 31, 1832.
Timber, preserving	Samuel Ringgold and Edward Earle, (assigned to Edw'd Earle.)	Savannah, Ga.	August 6.
Timber, preserving	Edward Earle	Savannah, Ga.	September 20.
Tonguing and grooving boards	Samuel Shepherd and D. Baldwin	Nashua, N. H.	February 21.
Tonguing, grooving, and beading boards	Frederick Fredly	Sugar Valley, Pa.	September 15.
Tonguing, grooving, &c., boards	Walter M. Hutton	Troy, N. Y.	October 26.
Turning trenails, banisters, &c.	Joseph E. Andrews	Boston, Mass.	August 30.
Window sash, making	Caleb B. Rogers	Norwich, Conn.	September 20.

CLASS 22.- MISCELLANEOUS.

Brooms, &c., making - - -	John M. Spooner - -	Belchertown, Mass. -	April 28.
Ice, packing and stowing - - -	Frederick Tudor - -	Boston, Mass. - -	May 4.
Potatoes, washing and pulverizing for starch	Sylvanus Richardson - -	Jericho, N. Y. - -	January 9.
Rats and other animals, catching - -	Thomas Kell - - -	Alexandria, D. C. -	March 3.
Sugar, breaking lumps of - - -	William Bent - - -	Philadelphia, Pa. -	February 3.

HENRY L. ELLSWORTH,
Commissioner of Patents.

B.

Alphabetical list of Patentees for the year 1838, *with their places of residence.*

Patentees.	Residence.
Alger, George M. and John A. -	South Strafford, Vermont.
Aumack, Christopher - -	Elbridge, New York.
Allen, John - - -	New York city.
Adams, Joseph - - -	Fair Haven, Vermont.
Alverson, Peter - - -	New Haven, Connecticut.
Addison, Thomas - -	New York city.
Adams, Isaac - - -	Boston, Massachusetts.
Andrews, John - - -	Sudbury, Massachusetts.
Arnoux, Antoine - - -	New York city.
Anderson, William S. - -	Shelbyville, Tennessee.
Amsden, Amory - - -	Rochester, New York.
Atwood, Anson - - -	Troy, New York.
Alger, Charles C. - -	Stockbridge, Massachusetts.
Alger, Cyrus - - -	Boston, Massachusetts.
Andrews, Joseph E. - -	Boston, Massachusetts.
Alverson, Peter - - -	New Haven, Connecticut.
Adams, Samuel - - -	Springfield, Massachusetts.
Angell, Emory A. - -	Killingley, Connecticut.
Atwater, James - - -	New Haven, Connecticut.
Algar, George and Major -	Greenport, New York.
Bigelow, Erastus B. - -	West Boylston, Massachusetts.
Brainerd, John - - -	Aurora, Ohio.
Badger, Jared - - -	Brooklyn, Connecticut.
Barker, John - - -	Cambridge, Massachusetts.
Bent, William - - -	Philadelphia, Pennsylvania.
Bell, William - - -	Lexington, Kentucky.
Bruce, David - - -	Bordentown, New Jersey.
Bruce, David - - -	Bordentown, New Jersey.
Bonney, Bush, and Lobdell -	Wilmington, Delaware.
Beebe, Uriah - - -	Clarendon, New York.
Burdick, Francis and Thomas -	Brooklyn, New York.
Brusstar, Samuel B. - -	Kensington, Pennsylvania.
Baughman and Guiteau - -	Mauch Chunck, Pennsylvania.
Bell, Martin - - -	Antes township, Pennsylvania.
Beach, Robert A. B. - -	Williamson county, Tennessee.
Buckminster, William - -	Framingham, Massachusetts.
Barnes, Henry - - -	Munson, Ohio.
Bailey, Andrew - - -	Jefferson, Ohio.
Brown, Samuel A. - -	Petersburg, Virginia.
Barnard, George - - -	Washington, District of Columbia.
Baker, Remember - -	Elba, New York.
Bacon, Jonathan - - -	Bedford, Massachusetts.

B—Continued.

Patentees.	Residence.
Bissey, Amos - - -	Point Pleasant, Pennsylvania.
Blake, Philos, Eli, and John -	New Haven, Connecticut.
Bosworth, Nathaniel - -	Philadelphia, Pennsylvania.
Bucklin, Isaac B. - -	West Troy, New York.
Barton, Henry - - -	West Carlisle, Ohio.
Brown, James S. - - -	Pawtucket, Massachusetts.
Ball, Daniel - - -	Kingsbury, New York.
Buckminster, William - -	Framingham, Massachusetts.
Bunce, Elisha - - -	Westford, Massachusetts.
Bunnell, Daniel - - -	Xenia, Ohio.
Boon, Sanford - - -	Hamilton, New York.
Black, James - - -	Orangeville, Pennsylvania.
Behan, Thomas - - -	Norwich, New York.
Bennet, Phineas - - -	New York city.
Buzzell, John D. - - -	Cape Elizabeth, Maine.
Bolton, John - - -	Saratoga Springs, New York.
Burt, Enoch - - -	Manchester, Connecticut.
Bell, William - - -	Lexington, Kentucky.
Bencini, Antoni - - -	Milton, North Carolina.
Burnham, Hiram - -	Boston, Massachusetts.
Brown, John David - -	New York city.
Buckminster, William, (disputed)	Framingham, Massachusetts.
Brodhead, James F. - -	Kingston, New York.
Beach, William - - -	Philadelphia, Pennsylvania.
Bell, Thomas - - -	Brookhaven, New York.
Baker, William P. - -	Boston, Massachusetts.
Brown, Edwin - - -	Boston, Massachusetts.
Boynton, John - - -	South Coventry, Connecticut.
Brittain, William, and J. Silvers -	New Hope, Pennsylvania.
Beale, Joshua T. - - -	London, England.
Brown, Benjamin H. - -	Washington, District of Columbia.
Briscoe, Benjamin - -	Detroit, Michigan.
Bryant, Isaac C. - - -	Philadelphia, Pennsylvania.
Brown, John - - -	Stonington, Connecticut.
Conger, John G. - - -	Rebersburg, Pennsylvania.
Carpenter, Emanuel W. - -	Lancaster, Pennsylvania.
Carter, Robert - - -	Elkton, Maryland.
Carner, Carner, and Briggs -	Painesville, Ohio.
Carroll, Michael - - -	Tellico Plains, Tennessee.
Clark, Levin P. - - -	Baltimore, Maryland.
Cumberland, William - -	New York city.
Crosby, Pearson - - -	Fredonia, New York.
Carver, Eleazer - - -	Bridgewater, Massachusetts.
Cameron, Frederick G. - -	New York city.
Carver, Eleazer - - -	Bridgewater, Massachusetts.
Cram, Smith - - -	New York city.
Carmon, Aaron - - -	Columbus, New York.

B—Continued.

Patentees.	Residence.
Chesley, George C. - -	Rocky Mount, Virginia.
Cross, Jefferson - - -	Eaton, New York.
Carson, Samuel - - -	Woodside, England.
Clapp, Joseph and Erastus S. -	Montague, Massachusetts.
Cole, David H. - - -	Portland, Maine.
Chase, Thomas - - -	New York city.
Chapin, Thaddeus - -	Canandaigua, New York.
Currier, Reuben W. - -	E. Kingston, New Hampshire.
Clark, Henry, and Wm. Albertson	New London, Connecticut.
Cordes, James T. - -	London, England.
Carver, Eleazer - - -	Bridgewater, Massachusetts.
Clegg, Samuel - - -	England.
Carver, Eleazer - - -	Bridgewater, Massachusetts.
Carver, Eleazer - - -	Bridgewater, Massachusetts.
Cross, Jeduthan - - -	Centre Lisle, New York.
Cram, Smith - - -	New York city.
Chase, Thomas, assignee to Geo. H. Richards - - -	New York city.
Crane, George - - -	London, England.
Chesebrough, Zebulon - -	Alden, New York.
Collins, Asahel - - -	Ulster, New York.
Collins, Asahel - - -	Ulster, New York.
Durkee, Ziba - - -	Philadelphia, Pennsylvania.
Douglass, Stephen P. W. -	Lansingburg, New York.
Duvall, Alfred and W. J. -	Baltimore, Maryland.
Dare, Reneer - - -	Bridgeton, New York.
Day, Moses - - -	Roxbury, Massachusetts.
Ditmars A. D. - - -	Chester county, Pennsylvania.
Daniels, Henry and Charles -	Chester, Connecticut.
Dunham, Henry R. - -	New York city.
Dobbin, George W. - -	Baltimore, Maryland.
Dickenson, Rollin, & S. J. Merriman	Southington, Connecticut.
Duvall, William J. - -	Baltimore, Maryland.
Daniel, Henry and Charles -	Chester, Connecticut.
Daniels, Reuben - - -	Woodstock, Vermont.
Duvall, Alfred - - -	Baltimore, Maryland.
Davis, Perry - - -	North Providence, Rhode Island.
Drummond, R. A., & G. W. Fuller	Galena, Illinois.
Dewey, Ebenezer - -	Butternuts, New York.
Davis, William B. - -	Reading, Ohio.
Dennis, Jonathan, jun. - -	Portsmouth, Rhode Island.
Dutcher, Josiah - - -	New York city.
Doherty, George C. - -	Cumberland county, Kentucky.
Dale, John D. - - -	Lansingburg, New York.
Dickey, David H. - -	Boston, Massachusetts.

B—Continued.

Patentees.	Residence.
Duval, John B.	Charleston, South Carolina.
Davis, William A.	Baltimore, Maryland.
Denison, Lester E.	Saybrook, Connecticut.
Duvall, Zelaphia, A. Callegan, and Jos. Miller	Ellicott's Mills, Maryland.
Demasters, Foster	Shelbyville, Kentucky.
Deats, John	Roxburgh, New York.
Dennis, Jonathan, jun.	Portsmouth, Rhode Island.
Dennis, Jonathan, jun.	Portsmouth, Rhode Island.
Eaton, Eben	Troy, New York.
Ericson, John	Sweden.
Eastman, Jonathan S.	Baltimore, Maryland.
Evarts, Russell	Madison, Connecticut.
Eastwick, Andrew M.	Philadelphia, Pennsylvania.
Evarts, Russell	Madison, Connecticut.
Ely, Theodore	Poughkeepsie, New York.
Earle, Edward	Savannah, Georgia.
Evans, Henry, and B. Churchill	Plymouth, Massachusetts.
Evans, Joseph	Lebanon, Ohio.
Forsyth, Andrew	Columbia, Tennessee.
Fairlamb, Jonas P., & S. C. Judson	Philadelphia, Pennsylvania.
Free, Alvah H	Troy, New York.
Fairman, Elijah	Stafford, Connecticut.
Fairlamb, Jonas P.	Philadelphia, Pennsylvania.
Favor, Zebulon C.	Boston, Massachusetts.
Fossard, Felix	Philadelphia, Pennsylvania.
Flook, Jacob	Middletown, Maryland.
Foster, Leonard	Boston, Massachusetts.
Fletcher, John C.	Springfield, Ohio.
Faber, George	Canton, Ohio.
Felt, David	New York city.
Fredley, Frederick	Sugar Valley, Pennsylvania.
Fredley, Frederick	Sugar Valley, Pennsylvania.
Flanders, Thomas, jun.	Bradford, New Hampshire.
Fay, Jacob A.	Baltimore, Maryland.
Flinchbaugh, Henry	Lampeter township, Pennsylvania.
Finlay, John	Baltimore, Maryland.
Gillet, Edwin	Ellington, Connecticut.
Gold, B. F.	New York city.
Gilbert, Myron J.	Troy, New York.
Graham, Seth	Roxbury, Massachusetts.
Goulding, Charles	Mobile, Alabama.
Grilley, Silas	Waterbury, Connecticut.
Graham, Seth	Roxbury, Massachusetts.
Gray, James	Fredericksburg, Virginia.
Graham, Seth	Roxbury, Massachusetts.

B—Continued.

Patentees.	Residence.
Gold, S. J., and J. S. - -	New York city.
Gilson, Samuel - - -	Arcadia, New York.
Gillet, Phineas - - -	New Hartford, Connecticut.
Goodyear, Charles - -	Roxbury, Massachusetts.
Grennell, John - - -	Springfield, Massachusetts.
Gardner, Bela - - -	Ashfield, Massachusetts.
Green, David - - -	Greenfield, New York.
Guyon, Henry G. - -	New York city.
Godwin, Thomas - -	New York city.
Grant, Robert - - -	Baltimore, Maryland.
Goodell, Ezra, and O. P. Stevens	Port Lawrence, Ohio.
Grieb, Frederick and Henry -	Hagerstown, Maryland.
Grant, Robert - - -	Baltimore, Maryland.
Gregory, Stephen - -	Sawpits, New York.
Gridley, John, assignee of Erastus M. Shaw - - -	Baltimore, Maryland.
Hill, Daniel T. - - -	Plainfield, New York.
Haviland, P. F., and E. A. Bennett	Waterville, Maine.
Horton, Eli - - -	Stafford, Connecticut.
Hoyt, Philo W. - - -	Danbury, Connecticut.
Hadley, John - - -	Bennington, New York.
Hunt, Walter - - -	New York city.
Hagerty, John - - -	Monroe, Michigan.
Halladay, Seymour - -	Westfield, Massachusetts.
Higginson, Harry - -	Boston, Massachusetts.
Heagle, John M. - - -	New Haven, Connecticut.
Hoyt, George A. - - -	Albany, New York.
Harrison, Joseph, jun. - -	Philadelphia, Pennsylvania.
Harper, Gaylord V. - -	Batavia, New York.
Hoyt, Daniel A., & P. W. Bulkley	Danbury, Connecticut.
Hunsicker, Daniel - -	Hartley, Pennsylvania.
Hibbard, Harmon - -	Attica, New York.
Hill, Henry V. - - -	Washington, District of Columbia.
Hight, George - - -	Gorham, Maine.
Hoard, Francis - - -	Demarara, West Indies.
Hale, Benjamin W. - -	Newbury, Massachusetts.
Harris, James S. - - -	Poultney, Vermont.
Hurd, Joseph, jun. - -	Stoneham, Massachusetts.
Hale, Luke - - -	Hollis, New Hampshire.
Hayes, Augustus A. - -	Roxbury, Massachusetts.
Hermance, Garet G. - -	Poughkeepsie, New York.
Hurd, Joseph, jun. - -	Boston, Massachusetts.
Hurd, Joseph, jun. - -	Boston, Massachusetts.
Howd, Samuel B. - -	Geneva, New York.
Hickman, Adam, & E. L. Davenport	Abingdon, Virginia.
Hubbell, Horatio - -	Philadelphia, Pennsylvania.

B—Continued.

Patentees.	Residence.
Holland, Homer - - -	Westfield, Massachusetts.
Heywood, Simeon, & L. P. Fisher	Claremont, New Hampshire.
Horton, Ellis L. - -	Hartford, Connecticut.
Horton, Ellis L. - - -	Hartford, Connecticut.
Hall, Roswell H. - -	Branchport, New York.
Hunt, W., and J. Townsend -	New York city.
Howlet, Jonathan W. - -	Greensborough, North Carolina.
Holland, Harrison - -	Northampton, Massachusetts.
Hill, Josiah - - -	Andover, Massachusetts.
Hutton, Walter M. - -	Troy, New York.
Holland, Homer - - -	Westfield, Massachusetts.
Hart, John - - -	Middletown, Connecticut.
Humphries, John - -	New York city.
Hernly, John - - -	East Hampfield, Pennsylvania.
Howarth, John, and Nathan Jones	Andover, Massachusetts.
Halfield, William - -	Zanesville, Ohio.
Harrison, Samuel T. - -	Baltimore, Maryland.
Hollingsworth, John M. - -	Braintree, Massachusetts.
Johnson, Cephas - - -	Southington, Connecticut.
Jaquith, Collins H. - -	Keene, New Hampshire.
Ives, Richard A. - - -	Bristol, Connecticut.
James, William T. - -	New York city.
Ives, Joseph S. - - -	New York city.
Jenks, William - - -	Columbia, South Carolina.
Johnson, Nelson - - -	Erwin Centre, New York.
Johnson, William - -	Newark, Delaware.
Johnson, Walter R. - -	Philadelphia, Pennsylvania.
Jaquith, Elijah - - -	Brattleboro', Vermont.
Johnson, Walter R. - -	Philadelphia, Pennsylvania.
Jones, J., A. Eells, & H. Griswold	Delaware county, New York.
Jorden, John M. - - -	Baltimore, Maryland.
Ives, Richard A. - -	Bristol, Connecticut.
Jones, Alexander - -	New Orleans, Louisiana.
Joyce, Thomas - - -	Camberwell, England.
Jones, Luther - - -	New York city.
Jones, Joseph - - -	York, Pennsylvania.
Johnson, George A. - -	Johnsonburg, New York.
Jones, Henry C. - - -	Newark, New Jersey.
Idler, Jacob - - -	Philadelphia, Pennsylvania.
Johnson, John - - -	New York city.
Kahler, William and Charles -	Bloomsburg, Pennsylvania.
Kell, Thomas - - -	Alexandria, District of Columbia.
Keyes, Alvin - - -	Crittenden, Kentucky.
Kern, Samuel - - -	Strasburg, Virginia.
Kimball, Stephen - -	Putney, Vermont.
Kyan, John Howard - -	Cheltenham, England.

B—Continued.

Patentees.	Residence.
Keane, James and Thomas -	Haverstraw, New York.
Keane, James and Thomas -	Haverstraw, New York.
Kilburn, George - - -	Walpole, New Hampshire.
Kent, Laurens - - -	Dorset, Vermont.
Keyes, Israel - - -	Putney, Vermont.
Kent, Laurens - - -	Dorset, Vermont.
Klem, George W. - -	Boston, Massachusetts.
Kilburn, George - - -	Walpole, New Hampshire.
Langdon, Barnabas - -	Troy, New York.
Langdon, Barnabas - -	Troy, New York.
Lapham, Benjamin - -	Saratoga, New York.
Lewis, William and Thos. John -	Cambridge and Boston, Mass.
L'Hommedieu, Ezra - -	Chester, Connecticut.
Long, John H. - - -	Lewistown, Pennsylvania.
Lawrence, William - -	Wallingford, Connecticut.
Livingston, Franklin - -	Waterford, New York.
Lewis, David, jr. - -	Berne, New York.
Lighthall, William - -	Albany, New York.
Luscomb, Robert - -	Penn Yan, New York.
Luther, Seth - - -	Boston, Massachusetts.
Lindly, Jacob - - -	Cynthiana, Kentucky.
L'Hommedieu, E., and R. Watrous	Chester, Connecticut.
Ladd, Samuel G. - -	Hallowell, Maine.
Lancy, William, and S. Merrick -	Springfield, Massachusetts.
Lewis, Lemuel - - -	Newfield, New York.
Lombard, Joseph - -	Boston, Massachusetts.
Lewis, William - - -	New York city.
Lewis, John - - -	Burlington, Vermont.
Leonard, Samuel - -	Bridgewater, Massachusetts.
Morton, David A. - -	Groton, New York.
McGregor, James, jr. - -	Wilton, New York.
Merchant, Niram B. - -	Guilford, New York.
Moon, John W. - - -	Roxbury, New York.
Mann, Z. H., and L. B. Thyng -	Lowell, Massachusetts.
Mooers, Henry - - -	Beaver Meadow, Pennsylvania.
Merrick, Solyman - -	Springfield, Massachusetts.
Morison, B. - - -	Milton, Pennsylvania.
Merrill, Edward - - -	New Bedford, Massachusetts.
Miller, Benjamin J. - -	New York city.
Mitchell, Robert W. - -	Martin's Mills, Ohio.
Magennis, Patrick - -	Paterson, New Jersey.
Mumma, John - - -	West Alexandria, Ohio.
Mason, William - - -	Taunton, Massachusetts.
McLaughlin, Ira - - -	Sunderland, Vermont.
Meeker, Hiram L., and J. Bergen	Jersey city, N. J., & New York city.
McClory, James - -	New York city.

B—Continued.

Patentees.	Residence.
Moor, Nathaniel - - -	Ellsworth, Maine.
Miller, Charles F. - -	Lancaster, Pennsylvania.
Mix, Miles C. - - -	Danby, New York.
Montgomery, William S. -	Baltimore, Maryland.
Myers, David L. and Samuel -	Christiansburg, Virginia.
Morris, Ephraim - -	Bloomfield, New Jersey.
Mott, Jordan L. - - -	New York city.
Mallory, James - - -	New Orleans, Louisiana.
McCord, Isaac - - -	Harrisburg, Pennsylvania.
Macy, Charles R. - -	Hyde Park, New York.
Marshall, S. W., and J. W. Coburn	Dracut, Massachusetts.
Miller, James - - -	Baltimore, Maryland.
Mott, Jordan L. - - -	New York city.
Mix, M. P. - - -	New York city.
Meads, John - - -	Albany, New York.
McGraw, Nicholas - -	New York city.
Morse, Leonard, and H. Potter, assignees to L. Moore - -	Foxborough, Massachusetts.
McCollum, Robert L. - -	Rochester, New York.
McCarty, Robert - - -	New York city.
Newhall, Timothy - -	Lynn, Massachusetts.
Nollner, Jacob - - -	Washington, District of Columbia.
Newman, Joseph - - -	Baltimore, Maryland.
Nichols, Rufus, & Edward Childs	Conway, Massachusetts.
Nutting, Mighill - - -	Portland, Maine.
Newell, Robert - - -	New York city.
Nock, Joseph - - -	Philadelphia, Pennsylvania.
Oberhausser, John - -	Charleston, South Carolina.
Oberhausser, John - -	Oharleston, South Carolina.
Oberhausser, John - -	Charleston, South Carolina.
Ormisten, John - - -	Center, Ohio.
Oliphant, Robert W. - -	North Granville, New York.
Osgood, Daniel, jr. - -	Blue Hill, Maine.
O'Brien, John M. - -	Brunswick, Maine.
Parshley, E. L., and B. Furbish -	Brunswick, Maine.
Patton, William - - -	Towanda, Pennsylvania.
Pierce, Samuel - - -	New York city.
Poullalier, Cyprien - -	New York city.
Pope, Lemuel Thomas - -	Boston, Massachusetts.
Puffer, Samuel, jr. - -	Sunderland, Massachusetts.
Page, George - - -	Keene, New Hampshire.
Porter, Rufus, - - -	Billerica, Massachusetts.
Pike, Joshua G. - - -	Lisbon, New York.
Parsons, Seth - - -	Hoosick Falls, New York.
Post, Pardon - - -	New Haven, Connecticut.
Poe, George - - -	Elkridge Landing, Maryland.

B—Continued.

Patentees.	Residence.
Pierce, Samuel - - -	New York city.
Pierce, Dexter - - -	Montague, Massachusetts.
Pendee, Wm. B., and N. C. Horn	Wolfesborough, New Hampshire.
Perkins, Angier M. - -	Now in England.
Parker, John - - -	Sunbury, Ohio.
Parker, Amos - - -	Windham, Maine.
Porter, Rufus - - -	Billerica, Massachusetts.
Prouty, David, and John Mears -	Boston, Massachusetts.
Pratt, John M. - - -	Dudley, Massachusetts.
Post, John W. - - -	Baltimore, Maryland.
Page, George - - -	Keene, New Hampshire.
Putnam, Elias - - -	Danvers, Massachusetts.
Parsons, Seth - - -	Hoosick Falls, New York
Perkins, Jacob, assignee to A. M. Perkins - - -	London, England.
Ransom, Loomis E. - -	Millport, New York.
Randolph, Edward - -	Salt creek, Ohio.
Richardson, Sylvanus - -	Jericho, New York.
Rust, Samuel - - -	New York city.
Rust, Samuel - - -	New York city.
Reeder, Jesse - - -	Cincinnati, Ohio.
Rowe, James - - -	Triana, Alabama.
Reynolds, Charles G. - -	Kanawha, Virginia.
Rice, James J. - - -	Salina, New York.
Rich, Martin - - -	Ithaca, New York.
Ropes, George - - -	Portland, Maine.
Richards, George - -	Birmingham, England.
Rust, Samuel - - -	New York city.
Rouse, W. L. J. C., and S. Taylor	Bedford, Virginia.
Robinson, Eli C. - - -	Troy, New York.
Reed, Jesse - - -	Marshfield, Massachusetts.
Ringgold, Samuel, and Edw. Earle	Savannah, Georgia.
Rice, Laura, and E. Rice - -	Salina, New York.
Rowe, William - - -	Frederick, Maryland.
Rogers, Caleb B. - - -	Norwich, Connecticut.
Ross, Joseph - - -	Boundbrooks, New Jersey.
Robinson, George B. - -	Pawlet, Vermont.
Ray, Fowler M. - - -	Catskill, New York.
Ring, Abner R. - - -	Parma, New York.
Root, Elisha K. - - -	Collinsville, Connecticut.
Richards, Joseph - - -	Philadelphia, Pennsylvania.
Read, John M. - - -	Louisville, Kentucky.
Stimpson, Solomon - -	New York city.
Shreve, Henry M. - -	St. Louis, Missouri.
Stewart, Philo P. - - -	New York city.
Sorel, M. - - - -	Paris, France.

B—Continued.

Patentees.	Residence.
Sellick, Thaddeus - -	Philadelphia, Pennsylvania.
Spencer, William - -	Lowell, Massachusetts.
Smith, James - - -	Perth, Scotland.
Smith, Samuel P. - -	Salina, New York.
Swan, Lansing B. - -	Rochester, New York.
Sanford, Nathaniel C. - -	Meriden, Connecticut.
Smith, John Cutts - -	Boston, Massachusetts.
Searle, John - - -	Hill, New Hampshire.
Smart, Joseph - - -	Easton, Pennsylvania.
Sprouse, William T. - -	Sangamon, Illinois.
Savage, James S. - - -	Boston, Massachusetts.
Saunderson, Isaac - -	Milton, Massachusetts.
Smith, John R. - - -	New Haven, Connecticut.
Smith, James A. - - -	New Haven, Connecticut.
Sawyer, James - - -	New York city.
Smolinski, Joseph - -	Philadelphia, Pennsylvania.
Savary, Richard - - -	Pittsburg, Pennsylvania.
Sharp, William - - -	Burdett, New York.
Strong, Theodore F. - -	Northampton, Massachusetts.
Stone, Denmon C. - -	Naponock, New York.
Secor, James - - -	New York city.
Secor, James - - -	New York city.
Spooner, John M. - -	Belchertown, Massachusetts.
Seagrave, John D. - -	Uxbridge, Massachusetts.
Shepherd, Sam'l., and D. Baldwin	Nashua, New Hampshire.
Slade, Benjamin B. - -	Smithfield, Rhode Island.
Smith, Daniel - - -	Vincennes, Indiana.
Smith, T. L., and W. J. Van Lane	Newark, New Jersey.
Sharp, James - - -	Liverpool, Pennsylvania.
Sibley, Alden - - -	Pawtucket, Massachusetts.
Smith, William - - -	Washington, Kentucky.
Seydle, Rob't M., and Lewis Ward	Milton, Pennsylvania.
Straight, Orrin - - -	Lycoming, Pennsylvania.
Stimpson, James - - -	Baltimore, Maryland.
Sawyer, Nathan, and T. W. Smith	Washington, District of Columbia.
Stearns, George L. - -	Boston, Massachusetts.
Southworth, Daniel H. - -	Little Falls, New York.
Samson, Elnathan - -	Plymouth, New Hampshire.
Steiger, William T. - -	Washington, District of Columbia
Tilson, Edward C. - -	Thomaston, Maine.
Taylor, William H. - -	New York city.
Trufant, William B. - -	Bath, Maine.
Tudor, Frederick - - -	Boston, Massachusetts.
Taylor, Henry - - -	Montague, Massachusetts.
Teale, Horace V. - - -	Canajoharie, New York.
Truscott, Wolf, and Dougherty -	Columbia, Pennsylvania.

B—Continued.

Patentees.	Residence.
Thomas, Enoch - - -	Harrisonburg, Virginia.
Thurber, Hezekiah - -	Painted Post, New York.
Thorn, William and J. jr. -	Plainfield, New Jersey.
Treadwell, John G. - -	Albany, New York.
Tuells, Melzar - - -	Penn Yan, New York.
Tiffany, Arunah - - -	Gibson, Pennsylvania.
Thistle, Hezekiah - -	New Orleans, Louisiana.
Tyler, Crawford - - -	Millford, New Hampshire.
Tindle, R. W., adm'r. of J. Riggin	Baltimore, Maryland.
Tracy, Cyrus - - -	Savannah, Georgia.
Teeter, Isaac - - -	Johnstown, Pennsylvania.
Thorn, Linton - - -	Washington, District of Columbia.
Thomas, Hopkins - -	Beaver Meadow, Pennsylvania.
Tisdale, Daniel - - -	Canton, Massachusetts.
Thorp, John, and Wm. G. Angell	Providence, Rhode Island.
Upham, Lucius - - -	Putney, Vermont.
Urmy, Jesse - - -	Wilmington, Delaware.
Vance, Elisha - - -	Wilmington, Ohio.
Van Order, Abram - -	Ithaca, New York.
Vest, Charles - - -	Stokes county, North Carolina.
Ustick, Stephen, assignee to C. P. Bronson - - -	Philadelphia, Pennsylvania.
Van Alstine, Cornelius - -	Manlius Centre, New York.
Williams, Elijah - - -	Westfield, Massachusetts.
Wills, Lee - - -	Hartsville, New York.
Wright, Lemuel W. - -	England.
Wing, Ira, - - -	Hancock, Vermont.
Wilder, Luke - - -	Leominster, Massachusetts.
Waterhouse, Horatio N. - -	Butler, Kentucky.
Wright, Oliver, and A. A. Wilder	Warsaw, New York.
Witty, Richard J. L. - -	Lowell, Massachusetts.
Woone, Godfrey - - -	London, England.
Woodcroft, Bennet - -	Hardwick, England.
White, John J. - - -	Philadelphia, Pennsylvania.
Wheeler, John R. - -	Seneca Falls, New York.
Whittier, David - - -	Belfast, Maine.
Wheeler, Hiram F. - -	Springville, Pennsylvania.
Woodside, Elbridge G. - -	Augusta, Maine.
Waterman, Henry - -	Bath, Maine.
Wilson, Robert - - -	Burdett, New York.
Williamson, Peregrine - -	New York city.
Waste, Mellington, and Hutchins	Bennington and Shaftesbury, Vt.
Windle, Henry C., J. Gillott, and S. Morris - - -	Great Britain.
Wheeler, Ira - - -	Salem, New Hampshire.
Wright, Thomas - - -	New Village, New Jersey.

B—Continued.

Patentees.	Residence.
Wode, George - - -	New York city.
Whitehouse, Turner - -	Boston, Massachusetts.
Whitson, Thomas - -	New York city.
Walker, Daniel - - -	New York city.
Walkley, Nelson - - -	Tuscaloosa, Alabama.
Webb, Joseph W. - -	Mount Morris, New York.
Wilson, William - - -	Greenfield, Massachusetts.
West, Ammi - - -	Greene, Maine.
Wyman, James - - -	Boston, Massachusetts.
Watson, Charles A. - -	Green River, Kentucky.
Watson, Ebenezer - -	Albany, New York.
Woodbury, Nathaniel - -	Calais, Maine.
Wilcox, Philip - - -	Springfield, Massachusetts.
Whitcomb, Thos. N. and Joseph M.	Grafton, Vermont.
Yates, John C. - - -	Columbia, Tennessee.
Yale, L., and S. W. & N. Stimpson	Little Falls, New York.
Yerkes, Richard E. - -	Philadelphia, Pennsylvania.
Zollickoffer, William - -	Middleburg, Maryland.

Patents re-issued.

Gold, J. Swift - - -	New York city.
Hatch, Julius - - -	Great Bend, Pennsylvania.
Leonard, Elkanah - -	Canton, Maine.
Sellick, Thaddeus, administrator of William Keane - -	Haverstraw, New York.
Stephens, Henry - - -	Great Britain.
Spoor, Abraham D. - -	Troy, New York.

H. L. ELLSWORTH,
Commissioner of Patents.

PATENT OFFICE, *January* 1, 1839.

C.

List of patents expired in the year 1838.

AGRICULTURE.

Inventions or discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Bee-hive	William G. Stillwell	Root, N. Y.	March 18
Cattle, machine for watering	Adolphus Allen	Troy, Penn.	July 10
Clover-seed machine	Isaac W. Haskins	Columbia, N. Y.	May 6
Corn-sheller	Lemuel Peck	Brookfield, Conn.	Apri. 9
Corn-sheller	John Moon	Falls Township, Penn.	April 20
Corn-sheller	Chauncey Bulkely	Manchester, Vt.	May 25
Corn-sheller	Hiram Hubbard	Palmyra, N. Y.	June 17
Corn-sheller	Lewis Whitney	New York	November 13
Corn-sheller	Benjamin Crooker	New York	December 2
Corn-sheller	Alverson Little	Columbia, Conn.	December 23
Corn-sheller, riddling and fanning machine	Robert Humphreys	Harpersfield, N. Y.	December 24
Corn-sheller	Pierson Reading	Trenton, N. J.	December 27
Cotton plant, management of the	Samuel Pomeroy	Brighton, Mass.	May 6
Cotton scraper	Horatio Starke	Wilkinson county, Miss.	February 3
Fanning mill	Lemuel Peck	Brookfield, Conn.	August 13
Flax and hemp machine	Benjamin Lewis	Ligonia, Maine	January 28
Flax and hemp dressing machine	Platt Wakelee	Augusta, N. Y.	April 16
Flax and hemp machine	Erastus Kellogg	Palmyra, N. Y.	May 11
Flax and hemp machine	William C. Davison	Pittsford, N. Y.	June 22
Flax and hemp machine, breaking and shelling corn.	Reynolds Gillman	New York	November 5

Flax and hemp machine	Franklin Kellsey	Middletown, Conn.	November 26
Flax and hemp machine	T. S. & A. Barnum	New York	November 27
Grain, cleaning and scouring	Lot Forrester	Ridgefield, Conn.	February 13
Harrow, self-sharpening	H. Hopkins & J. Pratt	Pompey, N. Y.	November 9
Hoe harrow	Aquila Newbern	Bristol, Penn.	June 1
Hulling grain	William J. Hart	Talmadge, Ohio	May 21
Plough, cast-iron, with a double-pointed wing.	William C. Pancost	Addison, Vt.	January 29
Plough, improvement on Wood's	Solomon Austin	Sempronius, N. Y.	February 27
Plough, self-sharpening	Waldren Beach	Philadelphia, Penn.	April 9
Plough, cast-iron	Thomas Altason	Newton, N. J.	April 16
Plough, cast-iron, cutter for	Jonathan Swann	Cayuga county, N. Y.	April 24
Plough, cast-iron	Ross Winans	Vernon, N. Y.	May 11
Plough, cast-iron	D. Chase and A. & J. Gregg	Palmyra, N. Y.	August 4
Plough, cast-iron or wrought	Nathaniel Gillet, jr.	Talmadge township, Ohio	September 24
Plough	A. Spicer & J. Tower	Portage towns'p, Ohio / Talmadge co., Ohio	September 25
Plough	James Y. Hunt	Turnbridge, Vt.	December 24
Plough	Garland Ellington	Madison county, Ala.	December 25
Rake, horse-revolving	Henry Hoopes & Ezra Hoopes	Wilmington, Del.	July 26
Rake, horse-revolving, grain and horse	Moses Penrock	Kennell's Square, Penn.	November 23
Smut machine	Phineas Pettis	Talmadge, Ohio	August 12
Straw cutter	Robert J. Steele	Richmond county, N. C.	May 24
Straw-cutting machine	Major McDonald	Topsham, Mass.	June 10
Straw-cutting machine	Noah Safford	Springfield, Vt.	August 25
Thrashing machine	Andrew Noble	Alfred, Maine	January 12
Thrashing and winnowing	Edmund Warren	Augusta, Maine	March 6
Thrashing and breaking flax and hemp	Gideon Reynolds	New York	July 20
Thrashing and smut machine	G. Bostwick & H. Spencer	Marylandtown, N. Y.	December 24
Wheelbarrows	Nathan Tufts, 2d	Charlestown, Mass.	September 13

LIST OF PATENTS—Continued.

FACTORY MACHINERY.

Inventions or discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Auger, post	Christopher Hoxie	Hudson, N. Y.	July 26
Beams, iron, pattern for casting	Aaron Dana	Troy, N. Y.	December 28
Bobbin tube	J. Manchester	Warwick, R. I.	December 13
Bolts, copper, for shipbuilding	Berg & Ivers	New York	March 15
Brushes, clock	Stacy Costill	Philadelphia, Penn.	February 25
Comb teeth, cutting	Joel Brown	Springfield, Mass.	December 8
Cotton or wool, vibrating rolling machine	Jesse Hopkins	Strasburg, Penn.	January 14
Cotton, manufacturing	Elisha Congdon	Norwich, Conn.	March 12
Cotton rolls, forming	C. Whiting, S. Lowder, & Samuel Lowder	Dedham, Mass.	June 25
Fur blower	William B. Rotch	New Bedford, Mass.	March 9
Gun-barrels, scarfing, &c.	John Bruce	Springfield, Mass.	October 15
Hats, steaming and hardening	Mirum Wildman	Danbury, Conn.	April 2
Hats, dying	Israel Taylor	Trenton, N. J.	August 27
Lathe, turning	Cotton White & A. Hill	Hadley, Mass.	March 30
Locks	Richard Willcox	New York	April 20
Loom	C. Whiting, J. Goulding, and W. James	Dedham, Mass.	June 25
Mule, carriage for spinning cotton	William Haworth	Providence township, Pa.	June 2
Nails, manufacturing wrought	Leonard Norcross	Livermore, Maine	May 18
Nails, self-feeding, wrought	Thomas Morgan	Paterson, N. J.	June 17
Ornamental borders, casting	Joseph S. Lewis	New York	October 8

Paper-making	Isaac Burbank	Worcester, Mass.	September 8
Razors, manufacturing	John Brown	Providence, R. I.	June 28
Roping or roving and spinning wool and cotton.	Z. Knox & W. Hoskins	Lowville, N. Y.	August 16
Roping or roving and spinning wool and cotton.	A. Patterson & F. Burdock	Delaware county, N. Y.	September 29
Roping or roving cotton, &c.	Sidney Whiting	Franklin, Mass.	November 17
Saw for cutting veneers	R. B. Richardson	Philadelphia, Pa.	October 6
Saw plates	James Cloud	Chester, Penn.	September 8
Saw sharpener	Solomon Morse	Sempronius, N. Y.	April 26
Screws for bedsteads, right and left	Thomas B. Smith	Troy, N. Y.	October 11
Scythes, horse	John A. Wadsworth	Portsmouth, R. I.	July 3
Shearing cloth	Beriah Swift	Washington, N. Y.	February 7
Shearing cloth	William Hovey	Worcester, Mass.	December 17
Speeder, countertwisting	George Danforth	Norton, Mass.	September 2
Spinning wool by continued rotary motion	Gilbert Brewster	Norwich, Conn.	March 13
Spinning machine and receiving rolls of wool	Gilbert Brewster	Norwich, Conn.	March 13
Spinning machine for cotton	William Haworth	Providence township, Pa.	June 2
Spinning machine	C. Merrill, C. Bacheller, and S. King. jr.	Lowville, N. Y.	July 3
Spinning machine, substitute for the flier in the	O. G. & M. Rogers	Whitestown, N. Y.	August 28
Spinning machine, domestic	Elias Wood	Lowville, N. Y.	September 3
Spinning machine for wool and cotton	Francis Price	New York	October 5
Spinning machine, domestic	Lafferd Totten	Scoharie, N. Y.	November 13
Spinning machine	D. Pool & A. Copeland	Philadelphia, Penn.	December 24
Spinning machine	H. Hunt & C. Bradish	Lowville, New York	December 24
Spinning machine for wool	John Griggs, jr.	Ashford, Conn.	December 30
Spinning machine	Sidney White	Wrentham, Mass.	December 31
Spinning wheel, wool	Gilbert Brewster	Norwich, Conn.	February 27
Spinning wheel	Charles F. Shaffle	Lewisburg, Penn.	February 28

LIST OF PATENTS—Continued.

FACTORY MACHINERY—Continued.

Inventions and discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Spinning wheel	Guy Brooks	Athol, N. Y.	April 2
Throttle cotton spinner	Benjamin Brundred	Mamaroneck, N. Y.	January 17
Throttle spindle	Gilbert Brewster	Norwich, Conn.	March 13
Umbrella manufacturing	William Gamble	Washington, D. C.	July 3
Wheel-heads, accelerating	Diana H. Tuttle	Williamson, N. Y.	May 17
Wire harness	Elisha Attis	Cazenovia, N. Y.	December 30

NAVIGATION.

Ark, safety	William Hollins	Baltimore, Md.	May 4
Diving-suit	Wm. C. Davidson & Dan'l Clark	Pittsford, N. Y.	July 26
Fish-catching	Daniel Gordon	Lower Chanceford, Pa.	March 27
Planking vessels	William Scarbough	Darien, Ga.	May 19
Propelling boats, two-horse engines	Benjamin F. Jocelyn	Schenectady, N. Y.	August 21
Raft, constructing	Henry Babb	Westbrook, Me.	January 13
Rudders	Andrew Watkins	Salem, Mass.	May 21
Tide-gauge	James D. Woodside	Washington, D. C.	April 14
Truss for hanging ships' yards	Preserved Fish	New York	September 24
Truss for lever and sling	Samuel A. Wells	Boston, Mass.	December 23
Wheel-elbow, for propelling boats	Ralph Bulkely	New York	April 24

LAND WORKS.

Cellars, vaults, &c.	Ezra Ludlow	New York	December 14
Earth, raising and removing	O. H. Dibble	Niagara county, N. Y.	February 20
Railroads, constructing	John Stephens	Hoboken, N. J.	June 8
Railroads, constructing	John Stephens	Hoboken, N. J.	October 23
Transporting weights	James Cornell	Brookfield, Vt.	December 24
Wagon for removing earth	John Owings	Baltimore, Md.	August 27

COMMON TRADES.

Bedstead windlass	Leonard Foster	Boston, Mass.	February 16
Bedstead windlass	Leonard Foster	Boston, Mass.	June 25
Bedstead windlass	O. R. Herbert	Mount Pleasant, N. J.	July 14
Bellows nozzle, preventing burning	James Dodge, jr.	St. Alban's, Vt.	January 24
Boot and shoe manufacturing	Eben Martin	Salem, N. J.	January 12
Boot and shoe crimping	Eben G. Pomeroy	Lancaster, Ohio	July 27
Brick machine	Seth Lewis	Louisiana	February 11
Brick machine	James Lee	Ogden, N. Y.	March 11
Crackers, cutting and rolling	Daniel Pool	Philadelphia, Pa.	December 24
Felloes, cutting	B. L. Greenough	Lebanon, N. H.	December 22
Flies, machine for killing	A. W. Glendenning	Loudon county, Va.	September 9
Frame for finishing ladies' dresses	James R. Williams	Baltimore, Md.	March 3
Horse-shoes, and for oxen	Peter Sternberg	Danube, N. Y.	April 10
Horse-blinds	Seth Boyden	Newark, N. J.	April 10
Knife, currier's, machine for sharpening	James Bachelder	Lancaster, N. Y.	November 9
Moccasins, manufacturing in moulds	Jno. J. Staples & Wm. H. Cornell	New York	December 15
Saddle-springs	Nathan W. Conklin	Jamaica, N. Y.	March 27

LIST OF PATENTS—Continued.

COMMON TRADES—Continued.

Inventions or discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Saddle, double-side	Hugh M. Rose	Lexington, Ky.	June 19
Sausages, making	A. Glendenning	Loudon county, Va.	September 9
Sawing clapboards	E. Pray, E. Benjamin, & J. S. Stone	Maine	December 28
Scaffolds, raising and supporting	H. L. Nichols	Middleburg, Vt.	April 24
Selvage, double-stitched	J. A. & E. Wadsworth	Portsmouth, R. I.	October 5
Shingle machine	James Sawyer	Templeton, Mass.	May 4
Sofa, or sliding-joint settee	Isaiah Jennings	New York	June 25
Staves, shaving and listing	Daniel North & H. Naramor	Caledonia, N. Y.	November 26
Stave-machine, cylindrical, for dressing	John R. Averill	Manchester, N. Y.	December 29
Trunks, leather	Robert C. Martin	Philadelphia, Pa.	August 28
Tubs, pails, kegs, &c.	Robert M. Richards	Winchester, Conn.	February 19
Washing-machine	William Cahoon	Winfield, N. Y.	June 15
Washing-machine	Edward Bewey	Butternuts, N. Y.	June 24
Washing-machine	An. Glendenning	Loudon county, Va.	September 9
Washing-machine	John West	Middletown, Conn.	December 14
Window-shutter fastenings	Nathaniel Briggs	New York	October 21

WHEEL CARRIAGES.

Carriages	Benjamin J. Malfearson	Burlington, N. J.	April 6
Hubs, carriage, or gig-bands	Christian Cornelius	Philadelphia, Pa.	June 18
Mail-bags	Peter Laporte	Richmond, Va.	May 5
Springs	Lemuel H. Parsons	Stockbridge, Mass.	June 23

HYDRAULICS.

Engine, fire, horizontal	Luther Holland	Belchertown, Mass.	March 11
Hydraulic machine	James O'Connor	Bedford, Pa.	May 29
Pump suction	Daniel Johnson	Boston, Mass.	April 21
Water, raising	William Dabney	Richmond, Va.	November 20

CALORIFIC AND STEAM APPARATUS.

Atmospheric-engine	E. & J. Prentiss	Baltimore, Md.	June 22
Boiler, steam-engine	Ralph Bulkely	New York	March 25
Boiler, safety-steam	Ralph Bulkely	New York	April 8
Boiler, steam, cast-iron	John R. Averill	Manchester, N. Y.	May 27
Boiler, steam, applied to hatters' grates	H. V. Raymond	New York	September 16
Brewing apparatus	R. L. Lloyd & Bartewheimer	Philadelphia, Pa.	June 27
Chimneys, curing smoky	Samuel Chase	Williamsport, Pa.	July 26
Distilling	J. Carpenter & J. Roe	New York	January 29
Distilling machinery	Daniel Jackson	Peru, N. Y.	December 28
Gas-engine, without steam	Samuel Brown	London, Eng.	March 2
Kiln for burning brick	Robert Crutchfield	Botetourt county, Va.	February 7
Kiln, steam	George G. Moore	New York	December 4
Liquids, charging with gas	Joseph H. Larring	Davidson county, Tenn.	December 23
Salt, manufacturing	Joseph P. Rossiter	Salina, N. Y.	March 2
Salt, manufacturing	Peter Cooper	New York	December 24
Steam-engine, rotary reacting	R. N. Powers	Cincinnati, Ohio	April 29
Steam-engine	Ralph Bulkely	New York	April 30
Steam-engine	Henry Lainhart, jr.	New Orleans	May 6
Steam-engine, rotary	Anthony Cooley	Leroy, N. Y.	July 29

LIST OF PATENTS—Continued.

CALORIFIC AND STEAM APPARATUS—Continued.

Inventions or discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Steam-engine, rotary	John Gilbert	Leroy, N. Y.	November 17
Steam-engine	Joseph Dixon, jr.	Philadelphia, Pa.	April 13
Steam-engine, high temperature	John Babcock	Portsmouth, R. I.	May 1
Steam-engine	D. B. Lee	Philadelphia, Pa.	June 9
Steam-engine	Joseph Buchanan	Lexington, Ky.	September 13
Steam-engine, and applying	Stephen T. Coun	Washington, D. C.	September 13
Steam-engine, and condensing	B. F. Joslin	Schenectady, N. Y.	December 16
Stoves, Columbian	Joshua Talcott & John McCulloch	Smyrna, N. Y.	January 26
Stoves, Franklin and cooking	James Wilson	New York	March 13
Stoves, box-hearths	William T. James	New York	April 23

MILLS.

Crank-wheel motion	James Wallace	Columbia, S. C.	September 25
Flour, preserving	William Wood, jr.	St. Clairsville, Ohio	December 4
Grist-mill, and hulling	John Wilson	Manlius, N. Y.	August 27
Grist-mill, vertical cylindrical foot	Samuel Fowkes	Catskill, N. Y.	September 13
Paint and drug-mill	Isaac Eddy	Boston, Mass.	March 19
Power, extending	Asa Bisber	North Yarmouth, Me.	January 27
Rapids and shallow waters, rendering them navigable	John Stephens	Hoboken, N. J.	June 8

Water, letting on water-wheels	Samuel Sperry	Nashville, Tenn.	November 9
Wheel, water-sliding gear	Sylvanus Guernsey	Fenner, N. Y.	April 12
Wheel, hollow, inclined horse	J. Keller & S. G. Burt	Cincinnati, Ohio	April 23
Wheel, inclined, horse	John Bradford	Lexington, Ky.	May 14
Wheel, inclined, propelling	N. H. Shaw	Charlotte Hall, Md.	October 9
Wheel, water and tide	T. B. Van Gasbeck & R. Sands	Kingston, N. Y.	December 24

LEVER AND SCREW POWER.

Balance	David Rogers	Auburn, New York	July 13
Bookbinders' press	John J. Wells	Hartford, Connecticut	March 23
Brick press	David Flagg, jr.	Gardinner, Maine	December 17
Cheese press	Jos. Pride	Potsdam, New York	December 9
Cotton press	Franklin Shaler	Georgetown, Ohio	May 5
Lever power, crossing	William Scarbrough	Darien, Georgia	May 19
Tobacco press and iron case	John Gallaway	Baltimore, Maryland	April 2
Weights, engine for raising	Almoran Holmes	Boston, Massachusetts	October 21

ARMS.

Gun, construction of	Alexander Boyden	Newark, New Jersey	January 10

LIST OF PATENTS—Continued.

SURGERY.

Inventions or discoveries.	Names of patentees.	Residence.	When issued.
			1824.
Lancet, spring	Jer. Dewey	Chelsea, Vermont	April 2
Lancet, spring-retreating	Thomas R. Williams	Newport, Rhode Island	July 16
Teeth, preventing their decay	H. H. Hayden	Baltimore, Maryland	February 11
Truss, spiral spring	Jos. Farr	Manlius, New York	February 7
Truss	Amos G. Hull	New York	August 19

MATHEMATICAL INSTRUMENTS.

Trigonometer	William Bowles	Griswold, Conn.	July 17

CHEMICAL COMPOSITIONS.

Cement, fire-proof	Henry Heiner	Mifflin township, Pa.	May 10
Mead, carbonated sarsaparilla	John Schieffelin	New York	July 19
Medicine for scrofula, &c.	Gideon Jaques	Wilmington, Del.	July 16
Oil from poppy seeds	Daniel Markum	Lenox, N. Y.	December 2
Tannin	J. Wampler and G. Mathews	Steubenville, Ohio	August 27

Counterfeits, preventing - - -	Nathaniel Sylvester - -	New York - -	July 12
Lithography - - - -	David Henderson - -	Jersey city, N. J. -	September 17
Piano-forte, longitudinal bar - -	John Dwight - - -	Boston, Mass. - -	July 29

HENRY L. ELLSWORTH,
Commissioner of Patents.

PATENT OFFICE, *January* 1, 1839.

D.

Statement of receipts for patents, caveats, disclaimers, improvements, and certified copies, in the year 1838.

Amount received for patents and caveats -	$40,510 00	
Amount received for office fees - -	1,613 54	
		$42,123 54
Deduct paid on withdrawals - -	–	3,700 00
		38,423 54

E.

Statement of expenditures and payments made from the patent fund, by H. L. Ellsworth, Commissioner, from the 1st January to 31st December, 1838, *inclusive.*

For salaries - - - -	$13,890 19	
For contingent expenses - - -	5,289 99	
		19,180 18
Leaving a nett balance to the credit of the patent fund - - - -	–	$19,243 36

F.

Statement of expenditures on the restoration of the Patent Office, under the act of Congress passed 3d March, 1837.

For restoring records of patents - - - -	$1,868 69
For draughtsman - - - - - -	7,448 39⅓
For examiners and registers - - - -	2,491 76⅔
For drawing-instruments and furniture - - -	250 87½
For printing - - - - - -	30 00
For stationary - - - - - -	194 98½
For restored models - - - - -	1,261 80
For restored drawings - - - - -	496 25
For freight of models - - - - -	415 98
	$14,458 74

HENRY L. ELLSWORTH,
Commissioner of Patents.

PATENT OFFICE, *January* 1, 1839.

Letter from the Commissioner of Patents to the chairman of the Committee on Patents, in relation to the collection and distribution of seeds and plants.

PATENT OFFICE, *January* 22, 1839.

SIR: I have the honor to acknowledge the receipt, this morning, of a letter of the 21st instant, from the honorable chairman of the Committee on Patents, requesting the communication of any information relative to the collection and distribution of seeds and plants; also, the practicability of obtaining agricultural statistics, with the addition of any suggestions deemed important in relation to these subjects; and hasten to reply: That, in the discharge of official duties, I could not fail to notice facts deeply connected with the subject of agriculture, and so far as I was able, without the neglect of primary obligations, to give all the adventitious aid in my power to this important branch of national industry.

The beneficial effects attending the selection of a few seeds are attested by many members of Congress, through whose kindness the Commissioner has been able to distribute them.

Numerous letters give assurance of the improvement of the corn crop in the Southern and Western States, by introducing a prolific variety. The successful application of the principles by which this prolific quality was attained, has awakened the attention of agriculturists to this important subject, and inspired them with the hope of improving other seeds and plants by the same method. The sexuality of plants, and the practicability of crossing the same, are no longer matters of doubt; and great improvements may be anticipated from new experiments.

Planters in the rich valley of the Mississippi are confident that the "Baden corn" will increase their crop of maize fifty per cent.; some estimate it much higher; and all agree that the introduction of this seed will increase their agricultural products several millions of dollars annually, in that valley alone.

The distribution of early varieties of maize has not been less beneficial to the Northern sections of the Union. Good crops of maize have been raised the past year on the confines of Canada. The wheat distributed from the Patent Office has been successfully tested; and many large fields will be planted the ensuing season, for the first time, with the Italian or Siberian spring wheat.

Not being authorized to incur expense, the Commissioner has ventured to invite the transmission of seeds, gratuitously, from distant parts, trusting that Congress will, at least, authorize their distribution.

Arrangements could be made for the exhibition of different kinds of grain, exotic and indigenous, in the new Patent Office. Can it be doubted that samples of fifty varieties of Indian corn and one hundred and fifty varieties of wheat, with numerous other grains, showing the plant itself, the weight of seed, the usual product, and the latitude where produced, will be both interesting and useful, and afford much valuable information?

From the exploring expedition large contributions are expected; and the cheerfulness with which the commanders of our national vessels, and also the diplomatic corps, have offered to aid in the matter, justifies the expectation of great advantage from the proposed effort.

The export of agricultural products from the United States is officially

estimated by the honorable Secretary of the Treasury at eighty millions of dollars annually. The home consumption must be far greater.

An increase, by a better selection of seeds, only ten per cent., must secure a gain of upwards of twenty millions of dollars each year.

I rejoice that agricultural statistics have been deemed worthy of an inquiry by the honorable committee.

Other enlightened nations have ranked such information amongst the most important, in providing for the public wants, guarding against speculation, and as a means of estimating the probable state of exchange, so far as it is affected by a surplus or scarcity of crops.

The benefit of national statistics, as well as the practicability of obtaining the same, may be estimated from the success attending the efforts of individual States, and particularly of Massachusetts. The wise and liberal policy of the Legislature, in collecting similar statistics, has met the cordial approbation of all her citizens.

It cannot have escaped notice how many fears were entertained in the Middle and Southern States on the failure of the crop of maize the last season. The timorous and cautious made forced sales of their stock, which they feared would otherwise perish during the winter. Monopolists commenced their speculations; corn rose to $1 50 and $2 per bushel; at the same time, beyond the mountains, the crop of maize, in many places, was seldom better. Such has been the abundance on the waters of the Missouri river, that Government has been able to make large contracts for corn at 12½ and 15 cents per bushel.

The Commissioner of Patents would cheerfully, if desired, collect, as far as possible, agricultural statistics from different sections of the United States, and present the same to Congress, with his annual report. Such statistics might be useful to the Government in their financial estimates, and certainly would be to the citizens generally.

From the Patent Office, allow me to say, much encouragement, it is believed, can be given to agriculture without a neglect of present duties.

A new era seems, indeed, to dawn upon this long-neglected branch of national industry. The introduction of new labor-saving machinery; the preparation of flax for spinning on common cotton machinery, without rotting; the extraction of sugar from the beet, in a method recently discovered, so simple and expeditious as to enable every family to supply itself with one of the necessaries of life; the culture and manufacture of silk, thereby saving in imports twenty millions of dollars annually; all conspire to make this epoch one of the brightest in the history of our republic.

It must be mortifying to an American to reflect that the importation of flax seed, from the Indies, has been among the most lucrative commerce the present season. With land admirably adapted to the culture of this vegetable, which once constituted so great a portion of domestic manufacture, and afforded a considerable staple of export, it must astonish, at least the citizens of the old world, that we now depend upon cultivators of the soil beyond the Cape of Good Hope for supplies of linseed!

I cannot omit to notice that the efforts of Government to obtain, through her navy, foreign seeds and plants, have failed, from the inability of collectors in the different ports to distribute the objects transmitted. Nor will the patriotic designs of the nation be accomplished, until some depot shall be established to receive, classify, and disseminate the generous con-

tributions daily offered. The new Patent Office building will afford room for the reception and exhibition of seeds, and a small requisition on the patent fund (expressly constituted to promote the arts, and which cannot be diverted without special legislation) will enable the Commissioner to find a remuneration from expenses already becoming onerous to himself individually.

With the highest respect, I am yours, obediently,

HENRY L. ELLSWORTH,
Commissioner of Patents.

Hon. ISAAC FLETCHER,
Chairman Committee on Patents, H. R.